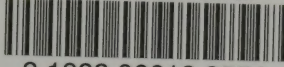


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A Contribution to Western Pennsylvania Pharmacy

ERRATUM

*The legend under the picture on page 8 should read:
The 1900 addition to the original home of the School
of Pharmacy at Pride and Bluff Streets.*

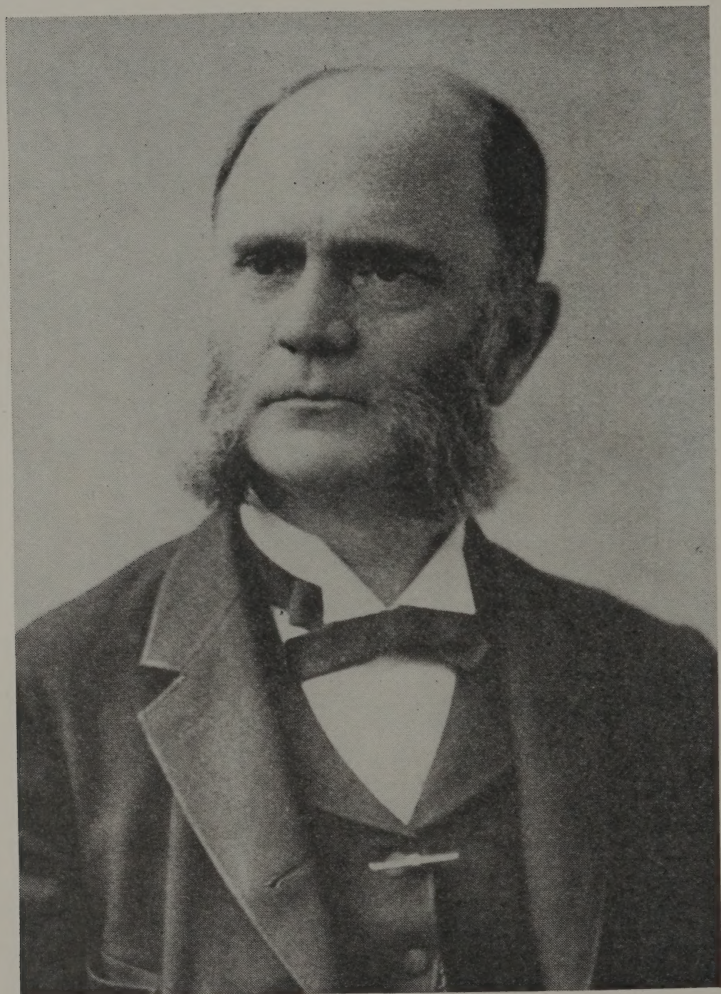
A CONTRIBUTION TO WESTERN PENNSYLVANIA PHARMACY

A History of The Pittsburgh College of Pharmacy, 1878-1958



THOMAS A. HILL
President of The College of Pharmacy
Presented by the Faculty of Pittsburgh
WESTERN UNIVERSITY IN PITTSBURGH

A CONTRIBUTION TO THE HISTORY OF PHARMACY
BY THE PHARMACEUTICAL SOCIETY OF GREAT BRITAIN



GEORGE A. KELLY

First president of The College of Pharmacy
Sponsored by the druggists of Pittsburgh, 1878

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A Contribution to
WESTERN PENNSYLVANIA
PHARMACY

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& EDWARD C. REIF
THELMA C. REIF



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Printed in the United States of America

Dedicated to
GEORGE A. KELLY, SR.
and the other pioneers
who worked so diligently and faithfully
to insure pharmaceutical education
in Western Pennsylvania

FOREWORD



This book, like others of its kind, is a labor of love. It was written in the space of months, but it represents years of endeavor in collecting large and small items that go to make up the truly factual account of events in the history of a school.

As the first dean of the Pittsburgh College of Pharmacy, I know the constant struggle in starting the enterprise and in keeping it going. At a time when educational standards, curricula, faculty and graduation requirements, and all manner of policies had to be formulated, weighed, tried out, and sometimes discarded, the future of the school always stood before us as our goal.

That future, much of which is now the present, has been justified. The School has reached a high pinnacle of attainment, and from its seventy-five years of rigorous effort will go on to increasing greatness in the field of pharmaceutical education.

JULIUS A. KOCH
Emeritus Dean

AUTHORS' PREFACE



This School of Pharmacy has a history which brings to the attention of others many events initiated and promoted by a group of sincere and farsighted men who made numerous sacrifices for a much needed school. Their activities resulted in progressive strides in pharmaceutical education in Western Pennsylvania. It would be remiss, if, on the occasion of the Diamond Jubilee, we failed to put into print some of their accomplishments.

Some individuals realized early the need for measures to insure better public health, the need for an academic education of the person whose prime function was to compound and dispense medicines, and the need for improvement in basic scientific knowledge. A call was, therefore, sent forth to bring about an organization of the pharmacists then living in this area whose method of training had been chiefly by apprentice-preceptor relationship. This resulted in the formation of the Pharmaceutical Association of Allegheny County on September 20, 1871.

The early pharmaceutical educational activities of this group of pharmacists was started as a simple course of organized lectures in a properly chartered institution, The Pittsburgh College of Pharmacy. This course supplemented the practical knowledge of the apprentice. Thus a system of education began which since has expanded to many courses and a great variety of curriculums spreading over an increasing number of years.

This work attempts to show how The School of Pharmacy played an important part in meeting the many conditions which made necessary a continuous and broadening system of pharmaceutical education.

Our thanks to the staffs in the following libraries who were so generous with their time, ideas, and help in locating material; The Car-

negie Library of Pittsburgh; Pittsburgh Academy of Medicine; The Medical and Dental Library, University of Pittsburgh; Historical Society of Western Pennsylvania; and The Carnegie Free Library of Allegheny.

We, too, are grateful and deeply appreciate the help afforded us by Miss Marianne Ratay, Miss Ann Zilonis, Dr. George W. Kutscher, Miss Hulda Ihsen, Dr. Frederick J. Blumenschein, Mrs. Ernest Percival, Miss Grace Kelly, Miss Eleanor P. Kelly, Mr. Edward C. Ifft, Mr. Bernard Schiller, Mr. William Pettit, Miss Dorothy English, Mr. Robert R. Gaw, Mr. William L. Blockstein, Miss Alice McCann, and the late Doctors Julius A. Koch, John H. Wurdack, Louis Saalbach, Mr. O. C. Sarver, and Mr. Fred Schiller.

We also wish to acknowledge the assistance of the Faculty of The School of Pharmacy, the editorial help of Miss Dorothy Nuttall, the help of those who have prepared statements especially for publication in this book, and the services of many others in innumerable ways. We are appreciative and most grateful for the help and encouragement of Mr. O. M. Reif.

And our special thanks to Mrs. Agnes L. Starrett, University editor and director of the University Press, for her counsel and encouragement.

EDWARD C. REIF
THELMA C. REIF

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PART ONE

Events Which Led To The Founding Of A School

EVENTS WHICH LED TO THE FOUNDING



BEGINNINGS

Early pharmacy and medicine in Pittsburgh compared favorably with early developments in pharmacy and medicine in other parts of our country.

The men who cared for the sick were usually physicians who had migrated to this part of the world. Many of these men acted as preceptors to prospective doctors and so a sort of health program was instituted; it was the best that could be had at the time and under existing circumstances.

During the period of colonization many drugs and chemicals were imported, chiefly from Europe. As time passed, imports ran out and new supplies were available only as new shipments, slow to arrive, were received.

Imported products, used as medicinals, chemical in character, and crude plant drugs, such as roots, stems, leaves, flowers, fruits, and seeds were grossly adulterated. These conditions, among others, resulted in the introduction of drugs indigenous to America, many of which had been used by the Indians.

Standards governing the purity of drugs did not exist in America. Acceptable formulas for the manufacture of preparations for administration to the sick were rather limited in number. Many of the crude plant drugs were administered in the form of brews, teas, and the like.

Some of the early apothecaries were fortunate to have the *London Pharmacopoeia*, first published in 1618, or the *Edinburgh Pharmacopoeia*, published in 1699. Although other pharmacopoeias were published in Europe, these two were used most widely.

The need in the colonies for some type of formulary became apparent early and resulted in the publication of a work in 1776 which is generally recognized as the first pharmacopoeia in America. This

was called the "Lititz Pharmacopoeia." It was written in Latin and bears the following title with explanatory material: *Pharmacopoeia Simpliciorum et Efficaciorum, in usum nosocomii militaris, ad pertinentis; hodiernae nostrae inopiae rerumque augustiis, feroci hostium saevitiae, belloque crudeli ex inopinato patriae nostrae illato debitis, maxime accommodata*. Translated this means: *Pharmacopoeia of simple but nevertheless efficacious remedies for the use of the military hospital, belonging to the army of the United States of America. Especially adapted to our present poverty and straightened circumstances, due to the ferocious inhumanity of the enemy, and cruel war unexpectedly brought upon our fatherland.*

Early settlers realized that the "point" at the junction of the Monongahela and Allegheny rivers which formed the Ohio was a strategic area opening to the west. This led to the rapid development and expansion of what is known today as "Pittsburgh and its Environs." The inhabitants of this rapidly growing region were fortunate in having physicians available to care for their ill, and druggists and apothecaries to compound and dispense their medicines.

Adulteration of imported drugs and the sale of Quack Nostrums on public thoroughfares in this area was widespread in the early decades. It is little wonder then that as early as 1871 the druggists and apothecaries of Western Pennsylvania organized in an effort to promote legislation and to protect each other from the evils of adulteration and quackery. The first recorded meeting, which was in the nature of a reception tendered to the delegates who had returned from the American Pharmaceutical Association Convention held at St. Louis, was held on September 7, 1871, at the Monongahela House, at Smithfield and Water Streets. Among the visitors present were Professors Edward Parrish and John M. Maisch of the Philadelphia College of Pharmacy, and Mr. John F. Hancock, a druggist of Baltimore. There is no doubt that the local group received much encouragement from these enthusiastic and well-known visitors, because before the meeting was adjourned Mr. Newton McClarran and Mr. Joseph Abel were elected president and secretary, *pro tem*, respectively.

A second meeting was held on the next evening, September 8, 1871, at the St. Clair Hotel, Penn Avenue and Sixth Street. The temporary officers were retained and, in order to complete the or-

ganization, Mr. William H. Brill and Mr. Alfred J. Rankin were elected vice-president and treasurer, respectively, and a permanent organization was constituted, to be known as The Pharmaceutical Association of Allegheny County.

Two other meetings were held—one on September 20, 1871 at the St. Clair Hotel, and the second on September 28, 1871, at the University building. At the second meeting officers of the organization were elected: Henry B. Schwartz, president; Newton McClarran, 1st vice-president; Harrison S. Lutz, 2nd vice-president; Joseph Abel, recording secretary; Alfred J. Rankin, corresponding secretary; and William H. Brill, treasurer. A Constitution and By-Laws and a Code of Ethics were adopted (*see Appendix A of this volume on page 243*). This organization, however, remained active only until September 1872.

By 1878 Pittsburgh had grown from a population of approximately 9,000 at the time of its incorporation as a city on March 18, 1816, to 156,389. Factories, foundries, mills, and glass-works were the core of the industrial development. A free public school system had been adopted and education at the higher level was obtainable in institutions of higher learning, among which was the Western University of Pennsylvania. Wholesale houses and retail stores handling all sorts of merchandise were conveniently located and banks had been established. A hospital (The Mercy Hospital) had been founded in 1847 and a Chamber of Commerce was incorporated, July 8, 1878. For amusements one could attend the Pittsburgh Opera House, 90 Fifth Avenue; the Fifth Avenue Lyceum, 92 Fifth Avenue; the Concert Garden, 70 Diamond Street; or Library Hall on Penn Avenue near Sixth Street. Among the early clubs were the Pittsburgh Club at 259 Penn Avenue and the Duquesne Club at 19 Sixth Avenue. These all point to a growing society and with it a need for educational development.

In 1878, two regulations restricting the sale of quack nostrums in public thoroughfares were in operation in this region, an ordinance having been passed by the cities on opposite sides of the Allegheny River, Pittsburgh and Allegheny.

The druggists and apothecaries in the two cities and surrounding communities who had been working closely with the doctors to supply the health needs of the people, now felt that their services must be



The McKennan Pharmacy, interested in pharmaceutical education.

improved and that the only way to accomplish this was to establish a school for the training of those who would compound prescriptions. Announcements, such as the following which appeared in the local paper, were one indication for the need of better training.

Pittsburgh Commercial Gazette

January 5, 1878

Elegant Pharmaceutical Preparations

Prepared by Wyeth and Bro.

Pure Gelatin coated Pills and granules, by Keasbey and Mattison; Granular Effervescent Salts; Kissingen, Vichy, Carlsbad, Seltzer, Magnesia, Aperient & c., by Bishop, London. A large and fresh stock of above goods received and for sale by

J. T. McKennan, Druggist
85 Market Street, corner Diamond

Pittsburgh Commercial Gazette

February 22, 1878

Humphries

Homeopathic Specifics

Another large invoice received from No. 1 to No. 35. For sale by the dozen or single bottle. Sent by mail on receipt of price. Descriptive books furnished free upon application by the agent.

J. T. McKennan, Druggist
85 Market Street, corner Diamond

The Pittsburgh Evening Chronicle reported on July 2, 1878 that on the previous evening a meeting of the druggists of Pittsburgh and Allegheny was held in the Western University Laboratory for the purpose of organizing a College of Pharmacy in Western Pennsylvania. Mr. James B. Cherry was made chairman and Mr. Louis Hauch secretary of the meeting. Messrs. Newton M. McClarran, Henry Schmidt, Louis Emanuel, Louis Hauch, W. S. Beach, and M. J. McGann made short speeches in favor of establishing in Pittsburgh a School of Pharmacy.

The discussion which followed offered opinions pro and con. One objection was raised that the new school would "grind out incom-

petent druggists." This was countered with the statement "that at present druggists may be made out of boys who serve a short apprenticeship at bottle washing."

Much groundwork had to be done. A place in which to have classes was of immediate concern.

The same newspaper also reported that a second meeting was held on July 8, 1878. Mr. Cherry appointed a committee to report on a permanent organization for the proposed College of Pharmacy.

The first officially recorded meeting was held on July 15, 1878. The opening paragraph of the minutes reads as follows:

Pittsburgh July 15, 1878

At a meeting of the Druggists of Pittsburgh and vicinity held in the Western University room #2 James B. Cherry in the chair the following business was transacted. The committee appointed at a previous meeting to report on a permanent organization for the proposed College of Pharmacy reported the following list of Officers and Trustees which was adopted.

President: George A. Kelly
Vice-President: Dr. Levi H. Harris
Recording Secretary: James B. Cherry
Corresponding Secretary: Joseph Kimmel
Treasurer: Dr. Samuel S. Holland
Curator: Perry M. Gleim

Board of Trustees

James Kerr, Jr.	G. Eisenbeis
James B. Cherry	Louis Rott (replaced by
Fred H. Eggers	B. L. Fahnstock)
A. C. Robertson	Joseph Henderson
Wm. H. Brill	Louis Emanuel
Charles Schwarm	D. C. Thompson
Henry Schmidt	B. J. Stenger
Fred G. Seitz	John T. McKennan
J. B. Hill	P. Walters, Jr.
F. R. Fleck	A. J. Rankin
Joseph Abel	William G. Schirmer

On motion a committee of three, composed of Messrs. Brill, Cherry, and McClarran, was appointed to confer with the Executive Committee of the Western University to ascertain what arrangements could be made with them in regard to the starting of the college.

There was some question in the minds of those present whether a college of pharmacy should be a part of the University or should be an independent school, and after much discussion, Dr. Donnelly offered the following resolution, which was adopted:

“Resolved—That the committee on conference be instructed to confine themselves to renting of rooms and employment of a Prof. of Chemistry.”

It was indeed due to a mutual friend, Professor Francis C. Phillips, that the organization was able to make amicable arrangements with the University. Professor Phillips presented the following letter to the Executive Committee of the Board of Trustees of the Western University of Pennsylvania:

To the Executive Committee of Board of Trustees of the
Western University of Pennsylvania

Gentlemen:

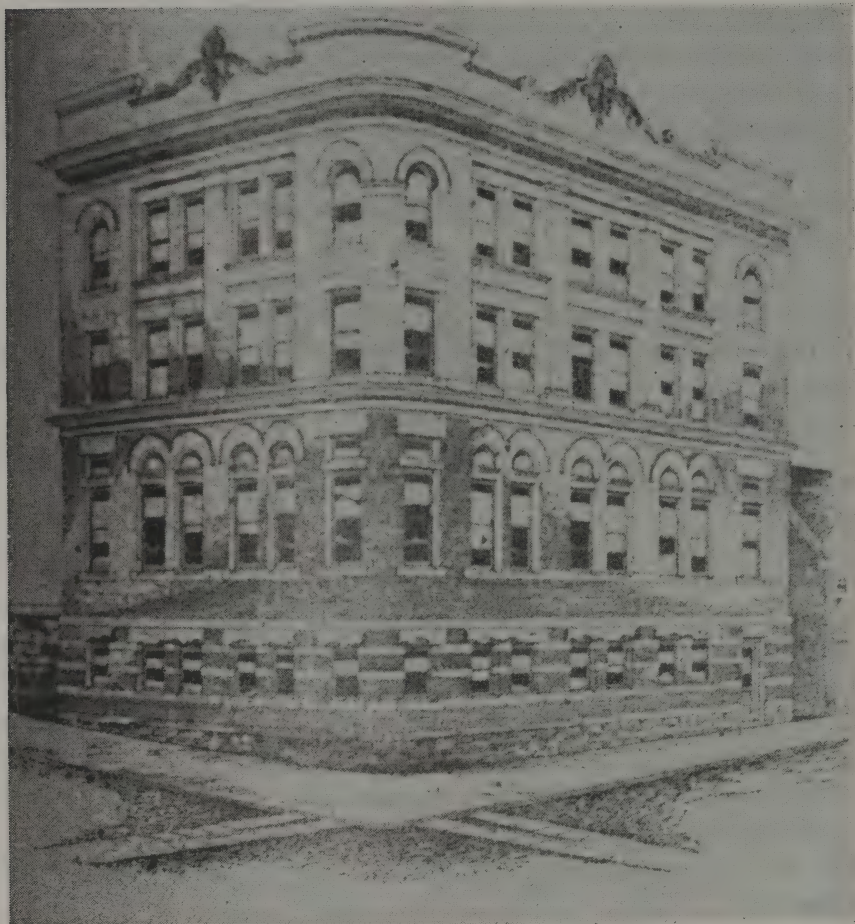
In order to the proposed establishment of a College of Pharmacy in connection with the Western University, I would respectfully submit to your consideration the following offer:

I will volunteer my services for the First Session of the New College of Pharmacy in carrying out the lecture course in Chemistry as proposed by the Trustees of that Institution to begin October 2, 1878, and will apply the fees received by me from students of this first course, in providing apparatus, books and chemicals for illustration of the lectures and for use in the Chemical laboratory:

1. Provided 1. That the Trustees of the University will appropriate funds sufficient to purchase the following apparatus:

One spectroscope (Browning's) price	\$140.00
One microscope (Zeutmayer's) price	135.00
One oxy-hydrogen lantern (Zeutmayer's) price	150.00
Total Cost	<u>\$425.00</u>

The pieces of apparatus here enumerated are important and necessary aids to instruction in Natural Sciences, and would form a valuable and much



Western University of Pennsylvania at Ross and Diamond,
first home of The College of Pharmacy.

needed addition to our Cabinet. This apparatus to become the property of the University Chemical laboratory.

2. That the sum agreed upon to be paid by the Druggists' Association to the University, namely, three hundred dollars after deducting the sum of forty (40) dollars for water and gas required to be used for the lectures, and sixty (60) dollars to be paid to the College Janitors for taking complete charge of lecture room during the course, be paid to me to be expended on apparatus and materials for the University laboratory.

3. That the charge of the class in Botany be given to another instructor; and that provision be made for this by the University in view of the greatly increased labors, which will necessarily evolve upon me in carrying out the terms of this agreement.

4. That in case the Trustees of the University accept this proposition, the agreement is to terminate absolutely at the close of the first session of the New College.

Respectfully,

/s/ *Francis C. Phillips*

Needless to say, the University accepted Dr. Phillips' proposition and the College of Pharmacy had the use of room #2 for the purpose of holding three courses of forty lectures each (Pharmacy, Chemistry, and Botany). (see Appendix C, page 263)

Weekly meetings were held from July 15, 1878, until September 23, 1878, inclusive. Committees were appointed to prepare a constitution and by-laws to govern the organization. These were prepared, approved and adopted. A design for a seal was presented and also adopted.

Chairman George A. Kelly reported the receipt of a communication under date of August 5, 1878. As follows:

170 Penna. Avenue
Allegheny, Pa.

George A. Kelly, Esq.
Pres. of Pharmaceutical Association

Dear Sir,

At a meeting of the Allegheny Co. Medical Society, held July 16, 1878, the following resolution was passed.

'Resolved, That this Society approve of the efforts of the Druggists of this County to establish a College of Pharmacy.'

The Secretary was directed to notify the officers of the Druggists Association of this action of the society.

Respectfully yours,

/s/ *E. S. Riggs, Sec.*

Mr. B. L. Fahnestock became chairman of the Board of Trustees, nominated successor to Mr. Kelly Aug. 26; took chair at September 2, 1878, meeting.

At a meeting held on September 16, 1878, the petition for a charter was presented in its final form and signed by the members applying for it. The petition was presented to the courts on September 21, 1878, and the charter was granted on September 23, 1878. (see Appendix D, page 263) The granting of the charter was subsequently reported to the members of the corporation at a meeting held late the same day.

E. S. Ward	David Davis, Jr.
3rd Ave., Pittsburgh, Pa.	634 Prebble Ave., Allegheny, Pa.
John T. McKennan	W. W. Sawhill
85 Market St., Pittsburgh, Pa.	225 Fifth Ave., Pittsburgh, Pa.
Peter Weber	R. D. Bunt
76 Wylie Ave., Pittsburgh, Pa.	Oakland, 5th Ave., Pittsburgh, Pa.
John B. Hill	A. Meckelburg
144 Wylie Ave., Pittsburgh, Pa.	Chestnut St., Allegheny, Pa.
Joseph Stokely	Charles Schwarm
341 Fifth Ave., Pittsburgh, Pa.	1805 Carson St., Pittsburgh, Pa.
M. J. McGann	Frederick H. Eggers
42 Wylie Ave., Pittsburgh, Pa.	172 Ohio St., Allegheny, Pa.
Joseph Kimmell	J. G. Templeton
cor. Penn and 9th St., Pittsburgh, Pa.	299 Penn Ave., Pittsburgh, Pa.
Louis Steitz	Louis Brehm
157 Pennsylvania Ave., Allegheny, Pa.	172 Smithfield St., Pittsburgh, Pa.
Louis Rott	Charles F. Nourse
76 Wood St., Pittsburgh, Pa.	Wylie Ave. and Arthur St., Pittsburgh, Pa.
F. A. Dittler	Henry Wurzel, Jr.
347 Fifth Ave., Pittsburgh, Pa.	5th Ave. and Pride St., Pittsburgh, Pa.

Charles Hauch 91 Sixth Ave., Pittsburgh, Pa.	F. W. Walker New Brighton, Pa.
Thomas McHenry 18 Western Ave., Pittsburgh, Pa.	B. G. Dosch Allegheny, Pa.
Gotleib Eisenbeis 113 Federal St., Pittsburgh, Pa.	W. S. Simpson, M.D. 109 Wylie Ave., Pittsburgh, Pa.
Joseph Henderson Seventh Ave., Pittsburgh, Pa.	J. L. Swearer Walnut St., 36th Ward, Pittsburgh

The following named persons individually signed the document organizing themselves into an association to be known as The Pittsburgh College of Pharmacy.

We the undersigned do hereby organize ourselves into an association to be known as The Pittsburgh College of Pharmacy.

George A. Kelly Newton McClarran 6th Ave., Smithfield St., Pittsburgh, Pa.	Louis Emanuel cor. Second Ave. and Grant St., Pittsburgh, Pa.
Dan C. Hamilton cor. Beaver Ave. and Locust Alley, Allegheny, Pa.	W. H. Brill cor. Fifth and Wood St., Pittsburgh, Pa.
Levi H. Harris 341 Liberty St., cor. Tenth, Pitts- burgh, Pa.	W. S. Beach 676 Fifth Avenue, Pittsburgh, Pa.
Joseph Abel 5th and Grant, Pittsburgh, Pa.	D. C. Thompson 195 Liberty St., Pittsburgh, Pa.
William G. Schirmer 3rd Ave. and Smithfield St., Pitts- burgh, Pa.	F. R. Fleck 171 Beaver Ave., Allegheny, Pa.
Louis Hauch 233 Centre Ave., Pittsburgh, Pa.	C. H. Beach 32 Ward St., Pittsburgh, Pa.
Perry M. Gleim 213 Rebecca St., Allegheny, Pa.	Abner S. Bender 341 Liberty St., Pittsburgh, Pa.
S. Henry Stevens Centre St., Shadyside, Pittsburgh, Pa.	S. S. Holland cor. Smithfield and Liberty St., Pittsburgh, Pa.
James B. Cherry cor. 4th and Ferry St., Pittsburgh,	Joseph M. Kinney 341 Liberty St., Pittsburgh, Pa.
	E. Donnelly, M.D. 131 Grant St., Pittsburgh, Pa.

- James Kerr, Jr.
56 Smithfield St., Pittsburgh, Pa.
- A. C. Robertson
cor. First Ave. and Wood St.,
Pittsburgh, Pa.
- J. B. Lindsay
cor. First Ave. and Wood St.,
Pittsburgh, Pa.
- Emerson L. Duff
cor. Main and Adx., 36th Ward,
Pittsburgh, Pa.
- A. Armor
Taylor Ave., cor. Monterey St.,
Allegheny, Pa.
- Jas. M. Parke
cor. Palo Alto St. and Taylor Ave.,
Allegheny, Pa.
- J. P. Urben
277 Federal St., Allegheny, Pa.
- Joseph Park
cor. Federal St. and North Ave.,
Allegheny, Pa.
- Samuel Stewart
113 Federal St., Allegheny, Pa.
- Emil G. Stucky
172 Ohio St., Allegheny, Pa.
- Anton Glamser
236 Ohio St., Pittsburgh, Pa.
- G. W. Schmidt
c/o A. Koch, S. S., Pittsburgh, Pa.
- A. Klotz
76 East St., Allegheny, Pa.
- W. W. Davis
77 Ohio St., Allegheny, Pa.
- A. J. Kaercher
59 Federal St., Allegheny, Pa.
- Charles Eble
Penn Ave., E.E., Pittsburgh, Pa.
- L. C. Castner
Penn Ave., E.E., Pittsburgh, Pa.
- A. H. Wilson
cor. Penn and Frankstown,
Pittsburgh, Pa.
- A. K. Henderson
Frankstown Ave., E.E., Pittsburgh,
Pa.
- B. F. Wickersham
cor. Penn Ave. and Station St., E.E.,
Pittsburgh, Pa.
- S. N. Wickersham
cor. Penn Ave. and Station St., E.E.,
Pittsburgh, Pa.
- D. W. Hershberger
Liberty Block, E.E., Pittsburgh, Pa.
- R. M. McClarran
Liberty Block, E.E., Pittsburgh, Pa.
- B. J. Stenger
1601 Carson St., Pittsburgh, Pa.
- Henry Schmidt
4016 Butler St., Pittsburgh, Pa.
- Fred G. Seitz
711 Penn Ave., Pittsburgh, Pa.
- John V. Stephenson
59 Federal St., Allegheny, Pa.
- Edward W. Over
cor. Penn Ave. and Main St.,
Pittsburgh, Pa.
- C. F. Caldwell
cor. 48th and Butler St., Pittsburgh,
Pa.
- Joseph Ehrstein
1035 Penn Ave., Pittsburgh, Pa.
- Edward Spring
869 Penn Avenue, Pittsburgh, Pa.
- Theodore W. D. Hieber
487 Penn Ave., Pittsburgh, Pa.

John Cowley
P. O. Box 520, Pittsburgh, Pa.

Alfred J. Rankin
45 6th St., Pittsburgh, Pa.

George W. Pyatt
Sewickley, Pa.

George E. Foster
Wash. Ave. and Fremont,
Allegheny, Pa.

L. M. Hamilton
231 Franklin St., Allegheny, Pa.

William Hughes
288 Beaver Ave., Allegheny, Pa.

Ralph D. Means
207 North Ave., cor. Federal St.,
Allegheny, Pa.

A. B. Urben
Webster Ave., cor. Roberts St.,
Pittsburgh, Pa.

A. W. Kreidle

J. S. Boyd
Tarentum, Pa.

G. W. Mays
New Castle, Pa.

B. L. Fahnestock
76 Wood St., Pittsburgh, Pa.

J. E. Hunter
Turtle Creek, Pa.

E. Holden
63 Federal St., Allegheny, Pa.

Joseph Fleming
84 Market St., Pittsburgh, Pa.

Benj. S. Fahnestock
76 Wood St., Pittsburgh, Pa.

Mansfield Foster
Wylie and Washington St.,
Pittsburgh, Pa.

Theodore Doerflinger
Wylie and Congress St., Pittsburgh,
Pa.

Theodore Becker
Federal St., Allegheny, Pa.

Dr. Reiter

Prof. Phillips

H. P. Schwartz
Allegheny, Pa.

FIRST CURRICULUM, CLASSES, FACULTY, AND CORPORATION



The first faculty to inaugurate the course of instruction consisted of Dr. Francis C. Phillips, professor of chemistry; Dr. W. C. Reiter, professor of materia medica and botany; and Dr. S. Henry Stevens, professor of pharmacy. The opening night was set for October 1, 1878. One thousand invitations were sent to the physicians and druggists of this region. This momentous affair was held in the Western University of Pennsylvania building on Diamond Street. There was a very dignified program, which included three short addresses, one by the President of the College, George A. Kelly; another by W. D. Moore; and one by Dr. George Woods, Chancellor of the University. Music, too, was included in this program. Robinson's band played several selections, and a quartette, composed of Messrs. Cain, Ross, Rinehart, and Balph, sang several numbers. It was indeed a grand opening and promised much for the future.

Twenty students enrolled for the first class in October. There were no prerequisites for registration except a sincere desire to gain additional knowledge to advance one's self in a chosen profession.

It was difficult for many of these students to attend, because they worked during the day and classes were held only in the evenings. There were three courses of lectures, which were held on Monday, Wednesday, and Friday. Work in the laboratory was offered, but it was not obligatory. The first schedule of classes was as follows:

Monday	— <i>Materia Medica and Botany</i>	7½ to 8½
	<i>Chemistry</i>	8½ to 9½
Wednesday	— <i>Pharmacy</i>	7½ to 8½
	<i>Chemistry</i>	8½ to 9½
Friday	— <i>Materia Medica and Botany</i>	7½ to 8½
	<i>Pharmacy</i>	8½ to 9½

Graduating Class.

← FIRST SESSION →

Pittsburgh College of Pharmacy.

NAME. (ALPHABETICALLY ARRANGED.)	SUBJECT OF THESIS.
George Fry,	Syr. Glycyrrhiza Radix.
Charles L. Kuhn,	Evaporation.
Adolph Henry Kraeling,	Pill Excipients.
James Macbeth Little,	Syr. Phosphates Comp.
Samuel McElroy, Jr.,	Pharmacy Laws.
James Clancy McElroy,	Calisayæ Bark.
James Sansom McBride,	Eucalyptus Globulus.
A. C. Robertson,	Berberis Aquifolium.
Oliver C. Sarver,	Pharmaceutical Cleanliness.
David Franklin Sawhill,	Emulsions.
John Wurzell,	Pure Sulphate of Copper.



First Annual Commencement program.

PROGRAMME.

TOERGE'S ORCHESTRA.

Overture,	To the Burlesque Alhambra.
Selection,	Fatanitza, Suppe.
Gallopp,	Profile, Mullaly.
Opening Address.	by George A. Kelly, Esq.

--- MUSIC. ---

The degree of Graduate in Pharmacy (Ph. G.) will be conferred on the Graduating Class by the President of the College.

--- MUSIC. ---

Address, W. D. Moore, Esq.

--- MUSIC. ---

Address by Member of the Class.

Valedictory Address, Prof. W. C. Reiter, M. D.

After the Ceremonies, the Graduating Class will entertain their friends.



Please present Invitation at Door.

The Pittsburgh College of Pharmacy.

The Pittsburgh College of Pharmacy respectfully extends to yourself and family a cordial invitation to attend the opening of the College, to take place in the Western University Building, Diamond Street, on Tuesday Evening, October the first, at 7.30 o'clock.

PLEASE PRESENT THIS INVITATION AT THE DOOR.

Program for the Opening of The College.

PROGRAMME.

Prayer.

Overture—"LUSTSPIEL," Kclar Bela
Robinson Band.

Opening Address, GEORGE A. KELLY, Esq
President of the College.

Quartette—"KNIGHT'S FAREWELL,"
Messrs. Cain, Ross, Rinehart and Balph.

Address— W. D. MOORE, Esq

INTERMISSION 10 MINUTES.

Selection—"STRADELLA," Flotow
Robinson Band.

Address— JAMES KING, M. D

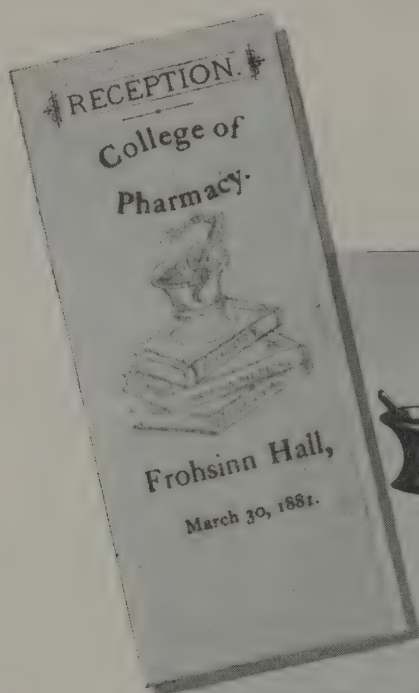
Solo—"I FEAR NO FOE," Pinsuti
Mr. J. D. Balph.

Address— CHANCELLOR GEORGE WOODS

Quartette—"MOUNTAIN HOME," White
Messrs. Cain, Ross, Rinehart and Balph.

Overture—"NATIONAL," Grafale
Robinson Band.

The Robinson Band, T. F. Kirk, Director, has kindly volunteered its services on this occasion, also a quartette composed of Messrs Cain, Balph, Rinehart and Ross, and Mr. Ford A. Winter, who will preside at the Piano.



Reception,

*tendered to the members of the
Senior and Junior Classes of the
College of Pharmacy, by the
Graduating Class of 1880.*

Sought until two o'clock.

Music by Goetze's Orchestra.

Class of 1880 Reception Invitation and Ribbon.

Pittsburgh, March 21st, '81.

Mr. Politzer and Lady

The Alumni of the
Pittsburgh College of Pharmacy
respectfully extend to you a cordial in-
vitation to attend the Reception to be
given in honor of the Students of the
College, on

Wednesday Evening, March 30th,
at Frohsinn Hall, Sixth Ave.

Please present Invitation at Door.

Very Respectfully,

D. F. SAWHILL, Ph. G.,
CHAS. R. GOETZE, Ph. G.,
JOHN WURZELL, Ph. G.,
A. H. KRAELING, Ph. G.,

Committee on Reception.

Class of 1880 Reception Invitation.

Of the twenty students, only eleven completed the course and graduated on March 11, 1880. One glimpse at the schedule shows why so many beginners did not complete the course. A good additional reason was that attendance was only for one's own betterment; graduation from a college or school of pharmacy was not a prerequisite to practice pharmacy.

From the beginning, as listed in the prospectus put out each year by the College, one of the requirements for graduation from the College was four years of practical experience.

In the meantime other events were transpiring. The Pennsylvania State Pharmaceutical Association held its second annual meeting in Pittsburgh. The visiting members were guests of the Pittsburgh College of Pharmacy. They were entertained by trips to Armstrong Cork Works; to the Edgar Thomson Steel Works; and also by a ride on a steamboat. A banquet was also held at the 7th Avenue Hotel to honor the delegates and guests. This occasion not only increased the enthusiasm of the members of the College Corporation, but also created a greater desire on their part for further accomplishments.

In response to an invitation issued early in February 1878, a number of druggists from different parts of the State, met together in Harrisburg, and organized the Pennsylvania Pharmaceutical Association. A Constitution and By-Laws were adopted, and the following officers elected: President, Charles A. Heinitsh, Lancaster; Vice-President, George W. Kennedy, Pottsville, and Dr. W. H. Egle, Harrisburg; Treasurer, J. L. Lemberger, Lebanon; Secretary, J. A. Miller, Harrisburg; Assistant Secretary, J. H. Stein, Reading; Executive Committee, C. H. Cressler, Chambersburg, J. A. Meyers, Columbia, and W. F. Horn, Carlisle. The object of the Association, as stated in the Constitution, "shall be to unite the educated and reputable Pharmacutists and Druggists of the State to improve the art and science of pharmacy; and to restrict the dispensing and sale of medicines to regularly educated druggists." It is hoped that the druggists generally throughout the State will fill up and send in the blank applications for membership, that have been sent to them by the Secretary. The first annual meeting will be held in Reading on Tuesday, June 11, 1878 at 10:30 o'clock A.M.

The Druggists' Circular and Chemical Gazette, June 1878.

Through the patience and persistent efforts of such men as George A. Kelly, a member of the firm of George A. Kelly Co.,

who was president of the College from the beginning until 1889, the college progressed rapidly. Mr. Kelly made substantial donations to assist the School in getting a start. He also gave a Troemer Balance as a prize to be awarded to the junior student making the best percentage. Mr. Kelly was also interested in many other organizations, to which he contributed generously, both with his time and money. It was through his efforts that many reforms were brought about in the prisons of the State, for it was his clear judgment and deep convictions that led him to advocate education and training in useful occupations for the prisoners. He was a member of the Duquesne Club. He also belonged to the Art Society of Pittsburgh, which promoted better knowledge of paintings, music, literature, and science—in fact, all things that contributed to aesthetic culture. He was a leader, both in Pittsburgh business circles and in philanthropy, and it is indeed interesting that the firm which bears his name is reputed to be the oldest wholesale drug house still doing business west of the Allegheny Mountains.

One of Mr. Kelly's close associates, Mr. B. L. Fahnestock, owned one of the largest wholesale drug houses in America. It is curious to note, in a study of these two men, that, in the early days of the drug trade, the parent house was established in Pittsburgh, and there were branches in New York and Philadelphia. This was primarily because Pittsburgh was then near the frontier, and many gatherers of medicinal drugs and herbs brought their stock there for distribution.

Another outstanding founder of the College was Louis Emanuel, who was also one of the signers of the charter. He not only conducted his own pharmacy, but also served as Professor of Chemistry for a short time. He was a member of the Pennsylvania State Board of Pharmacy, and its president or chairman for twenty-seven years. He procured for the College a collection—"The Pharmacy Laws" from the various states. Dr. Emanuel was continuously connected with the College in an active capacity until his death on April 8, 1941.

Upon these men and many others the College depended for counsel and assistance in the early years.

SECOND YEAR

The first year ended successfully, and much had been accomplished, but the college now was faced with the problem of finding a new

location for the ensuing year. Therefore, on May 6, 1879, a special committee, consisting of Henry Schmidt, James B. Cherry, Joseph Abel, Joseph Henderson, and William G. Schirmer, was appointed to obtain new quarters. They reported in favor of rooms over the Peoples Savings Bank, at 81 Fourth Avenue, and it was consequently at this location that the next sessions were held. The college was now confronted with a real problem, for they needed specimens and apparatus for classroom and laboratory instruction. This was partially solved by gifts of specimens of chemicals and crude drugs and apparatus which were contributed by McKesson and Robbins, William R. Warner & Co., Burrough Bros., Henry Troemner, Keasby & Mattison, W. H. Heritage, Demmler Bros., W. G. Price and Co., and Powers and Weightman. A Remington still was presented by Professor Joseph P. Remington. The purchase of the necessary additional chemicals and apparatus, as judged by Professor De Brunner, required a minimum of \$300.00. These came as donations from Messrs. George A. Kelly, William G. Schirmer, James Kerr, Jr., Samuel S. Holland, Henry Schmidt, Joseph Henderson & Bro., Hostetter & Smith, Newton McClarran, Louis Brehm, Mackeown Thompson & Co., Albert H. Wilson, Joseph Kimmel, and Simon Johnson. Professor John M. Maisch contributed 22 volumes of the back numbers of the Proceedings of the American Pharmaceutical Association to the library.

The professors for 1879—1880 were: W. C. Reiter, M.D.: professor of materia medica and botany; S. H. Stevens, M.D.: professor of practical pharmacy; H. G. DeBrunner: professor of chemistry. (see Appendix II, page 153)

Thus the second year began. Seating accommodations consisted of the old-fashioned type settee, which accommodated four students each. For writing space there was attached to the back of each settee a nine inch board. For illumination, gas lights were used. The chief mode of transportation was by means of horse and buggy and it has been stated that the students on the way to their classes often stopped to take the teachers with them.

The members of the College Corporation were interested not only in the progress and development of the college, but in pharmaceutical affairs nationally. On September 2, 1879, five members of this group; namely, F. W. Walker, Joseph Kimmel, Joseph Hender-

son, Louis Emanuel, and James B. Cherry were elected delegates to the American Pharmaceutical Association convention held in Indianapolis in September 1879.

Also during this era, many druggists in Pennsylvania were having difficulty with a Patent Medicine Tax. James B. Cherry, Louis Emanuel, (Sic) Maits, Joseph Abel, John B. Hill, Mansfield Foster, Arnold Koch, Charles Schwarm, John T. McKennan, A. F. Sandhill, G. R. Splane, and Theodore Doerflinger were a few of those concerned with a just solution of this problem and gave of their time and energy to this end. In the meantime these men were struggling with the "lusty little one" as stated by Mr. W. D. Moore. (see Appendix E, page 268)

Faculty appointments were made from year to year and so it became apparent in the early summer that a teaching staff for the next year must be appointed. On June 8, 1880, the following were engaged for the next school year: Hugo Blanck, PH.D.: professor of chemistry; G. W. Allyn, M.D.: professor of materia medica and botany; S. Henry Stevens, M.D.: professor of pharmacy.

THIRD YEAR

A general invitation was again sent to the members of the College Corporation, and to the doctors and druggists of Allegheny County to attend the opening lecture of the third term of the College, which began on Monday, October 3, 1880, at 8 P.M., in the College Hall. Professor Allyn delivered the opening lecture and the President of the College and the Chairman of the Board of Trustees each likewise addressed the meeting.

Shortly after the term opened, the pharmacists and physicians who were vitally interested in pharmacy in Western Pennsylvania called a special meeting which was held in the College Hall on January 18, 1881. The purpose of this meeting was to consider a bill for regulating the practice of pharmacy in Allegheny County. A bill was subsequently drawn up and presented to the Pennsylvania legislature by Representative McClarran. A petition was also drawn up by the members of the group from Allegheny County to urge the passage of this bill. The bill, *House Bill no. 145, 1881*, introduced by Robert M. McClarran (who was a druggist) was entitled An Act, Regulating the Practice of Pharmacy in the County of Allegheny. When this bill

was up for second reading, Mr. McClarran moved that further consideration of the same be indefinitely postponed. The bill did not become a law. The reason for Mr. McClarran's action was that these men had learned that the Pennsylvania Pharmaceutical Association was presenting a similar piece of legislation affecting all pharmacists in the state and they felt that they should cooperate on a statewide level rather than on a county basis.

Thus we see that the members of the College Corporation were interested in the improvement of pharmacy in all of its phases. George A. Kelly, Joseph Kimmel, and J. McElroy, Jr., M.D. were appointed to act in conjunction with the Pennsylvania State Pharmaceutical Association in matters relative to State Pharmacy Laws. These groups not only worked diligently to improve pharmacy, but they also made every effort to influence others who were eligible to join with them in this pursuit.

FOURTH YEAR

Before the next school year opened, the College Corporation lost one of its active colleagues, Joseph Henderson. The following resolution was presented and spread on the minutes: "In the death of our Colleague the young institution has lost a good friend who was ever ready to accept cheerfully every duty imposed upon him and who liberally aided in the support and advancement of our school . . ."

At the commencement in the Spring of 1882 only a few qualified for graduation: W. F. Walker, G. P. Stauver, J. H. Schmidt, T. B. Rogers, and William B. Means.

However, the spirit of the members of the Corporation never faltered, for they sent two delegates to the next convention of the American Pharmaceutical Association: Louis Emanuel and Dr. S. Henry Stevens. This meeting was held at Niagara Falls in September 1882.

FIFTH AND SIXTH YEARS

In the fifth year of the College, to aid the financial condition of the College, rooms were rented to the Pittsburgh Microscopical Society and to the Rudolph Fishing Club at \$2 per night. (1882)

It now became apparent that there was a need for an Alumni Society, and Messrs. Schirmer, Emanuel and Cherry were to assist the

graduates in organizing such a group. This group gave able assistance each year to commencement activities as well as social affairs.

It was in March of 1883 that Mr. Robertson, on behalf of the George A. Kelly Company, gave a Troemner Balance to the College to be awarded to the student in the junior class having the highest percentage. At the same time, Dr. Stevens, on behalf of the citizens of Shadyside, gave a microscope to be awarded to the student in the senior class making the highest average. At the end of the term, Mr. John T. Reed, of the graduating class, received the microscope, and Mr. Julius A. Koch, of the junior class, the prescription scale.

Nearly all pharmacy colleges had now adopted the plan of giving separate lectures to the junior and senior classes. This was definitely a step forward, for it enabled the students to obtain a better knowledge of the profession, because it permitted a greater range of subjects to be presented to the classes and it required a closer personal application on the part of the student.

The following schedule was presented by Mr. William G. Schirmer for the 1883-84 session:

<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>	<i>Saturday</i>
Seniors	Juniors	Seniors	Juniors	Seniors	Juniors
Chemistry	Chemistry	Pharmacy	Pharmacy	Mat. Med.	Mat. Med.
Pharmacy	Pharmacy	Chemistry	Chemistry	Mat. Med.	Mat. Med.
7:30 P.M.	7:30	7:30	7:30	7:30	3-5 P.M.

The members of the Corporation, along with their other duties, again turned to legislation. They expressed the idea that each second and third class city should present a bill to regulate pharmacy in their locality, and that such bills should be patterned after the one proposed for Allegheny County. However, it was not until later that the first Pennsylvania Pharmacy Law was enacted. (see Appendix F, page 270)

Just about this time, the Secretary of the Board of Trustees was instructed to invite the members of the faculty to attend Board meetings to make known their needs, so that the new supplies and apparatus could, if financially possible, be procured more advantageously. This action was necessary, for the last report indicated only a small residue in the treasury.

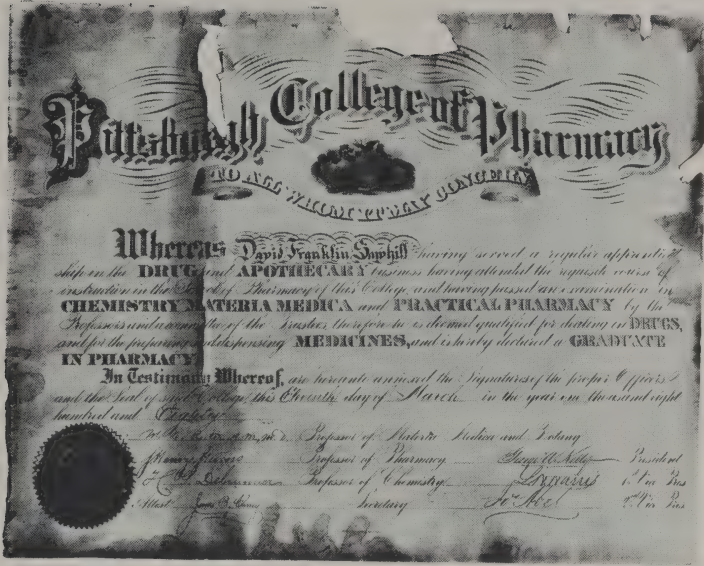
However, some kind individual or individuals or firms always came to the aid of the College. This year the Mallinckrodt Chemical Works of St. Louis sent innumerable specimens of chemicals.

Now students expressed interest in doing laboratory work during the summertime. Professor Blanck, therefore, asked permission to use the laboratory for students during the normal vacation period. This was granted. An arrangement was made whereby Professor Blanck received two-thirds and the College one-third of what was collected from the students, or \$15 for the first month; \$12 for the second month; and \$10 for every month thereafter. Professor Blanck, however, paid the janitor out of his earnings. This was possible for him to do, for he drew as his salary \$528.66 this year and the other professors received only \$300 each. It was the custom then that the professors received their pay directly from the payments made to them by the students.

At the fifth commencement—1884—nine men graduated with the degree of Graduate in Pharmacy. This group included Julius A. Koch, who became dean in 1891 and functioned actively in this capacity until his retirement in 1932.

It is interesting to observe that some of the pharmacies of this era were owned by physicians: i.e., Dr. Stoy on Third Avenue; Dr. Scherer, 174 Smithfield Street; and Dr. H. B. Orr, Second Avenue near Smithfield Street. Dr. Orr had a regular prescription room, but filled only his own prescriptions. Many of the drugs used then are still in use today. Some of the vegetable drugs of particular interest were Senna Leaves, Rhubarb, Camphor, Opium and Quinine. The chemical list included such drugs as Borax, Alum, Rochelle Salt, as well as Epsom and Glauber Salt. Many plasters were spread since only a few were available on the market. The so-called "Patent Medicines" included such preparations as Humboldt's Buchu, Pierce's Golden Medical Discovery and Ayers Sarsaparilla, etc. Fellows Hypophosphites was one of the first so-called "Specialties" to be prescribed by the physicians. Cascara was a new drug in 1888. It is interesting to observe that Calomel was prescribed extensively in 10 to 15 gram doses.

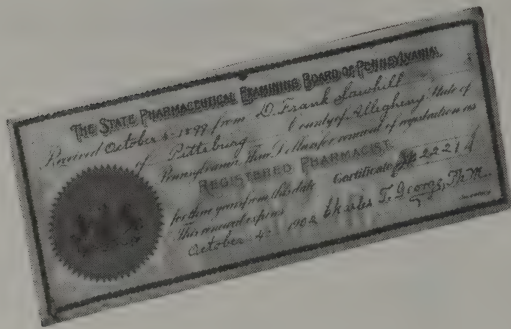
It was the abuse of the drug trade that kept all of the professionally minded pharmacists alert to the fact that something had to be done to regulate what citizens themselves would not regulate. After



Diploma of the Pittsburgh College of Pharmacy.



Pharmacists' Certificate of Registration.



Renewal of Registration Certificate.

The State Pharmaceutical Examining Board of Pennsylvania.

LANCASTER, PA., 9-16 1887.

Dear Sir:

Your application for registration, with fee enclosed, has been received and placed on file. The Certificates will be furnished as promptly as possible, but as all applications must be examined, several months must elapse before all can be supplied.

Yours truly,

H. B. Cochran Secretary.

Postal Card acknowledging application.

many unsuccessful attempts the first pharmacy law for the state of Pennsylvania was passed May 24, 1887.

The curriculum increased in course content and as previously indicated, many were already taking the laboratory courses. It became necessary, therefore, to look for larger quarters. A suggestion made by Professor Blanck in May 1884 brought about the transfer of the College to the Hostetter Building, Ferry Street and First Avenue. It now became necessary to furnish the enlarged quarters. The last report of the treasurer indicated that there was on hand about \$100 in cash. While this condition created a dilemma, the members of the corporation never wavered in their determination to go forward. A committee was appointed to solicit subscriptions for refitting the lecture rooms and laboratory. Advertisements were run in the *Druggists Circular* for three months. The committee was successful in this objective and was then discharged. Mr. William Thaw was one of the patrons to the extent of \$100, and Dr. Reiter also made a cash donation. Mr. James Kerr presented proceedings of the American Pharmaceutical Association, and Mr. Eggers repaired the blackboards.

In addition to the donations received, the income of the College was supplemented by renting a lecture room to the Gynaecological Society for a meeting once a month at a fee of \$3 and to the Pittsburgh Microscopical Society for their meetings. (1884) Dr. Hostetter agreed to furnish the heat in the building for the winter. John A. Schafer offered to assist the College by collecting an herbarium.

The Board of Trustees, on April 15, 1885, adopted the regulation that any candidate for a degree, not having three years and three months of practical experience, of which he must submit proof, need not appear for examinations. Each candidate for graduation was required to present to the faculty and examining committee a thesis and proof of his practical experience in addition to having successfully completed his course. He also had to be approved by the examining committee and faculty relative to his personal qualifications to conduct the business of an apothecary in a reputable and scientific manner.

SEVENTH YEAR

In the meantime, the seventh year of instruction was completed, the final examinations were over, and another class was ready for grad-

uation. As soon as a school year was ended, arrangements were made immediately for the next session and this year was no exception.

Professor Blanck was to be retained as professor of chemistry, and Professor S. Henry Stevens as professor of pharmacy. There was a change, however, in materia medica and botany. Dr. Adolph Koenig, who was an outstanding practitioner of medicine, was elected to this position. Dr. Koenig was assisted by John A. Shafer. It is said that Mr. Shafer often appeared in the classroom wearing high leather boots which were covered with mud, acquired while crossing fields looking for specimens which he used in his classes.

EIGHTH YEAR

Because the treasury again was depleted, Professor Blanck, advertised the opening of the next school year—1885-86—at his own expense.

Dr. John Dickson, Sr., presented the college with a valuable gift of Geological, Entomological, and Botanical specimens for which he was given a vote of thanks.

School was opened, and the next change came when the students took their final examinations. Each student was assigned an envelope upon which appeared a word which was the student's "synonym" for examination purposes. No student was eligible for examination unless he had presented his thesis and certificate of apprenticeship prior to February 15. On each answer sheet the student used he wrote his name, age, city, and permanent address and also the name of his preceptor. This card was then returned to the secretary of the examining committee. The papers were examined by the faculty and some members of the College Corporation; one question was assigned to each person for grading. After the papers were graded, two different members totaled the figures and placed them to the list of synonyms. Just before the grading was completed two members of the Board and one member of the faculty opened the envelopes and made a list of the synonyms with the student's name opposite. The passing average was to be 60%.

An active committee on membership was making every effort to increase the number of individuals in the College Corporation.

The library committee was another active body. The library was given two volumes on chemistry by Mr. F. W. Eggers and in a report of the library committee it was indicated that there were 50 volumes



Tenth Annual Commencement Invitation.

in the library, some of them, however, were not strictly pharmaceutical. Every publisher was asked for donations of books.

NINTH AND TENTH YEARS

For some time now a pharmacy laboratory had been under consideration and at last, through the kind help of Dr. Hostetter in making the rental for an additional room only \$25 more a year, such a proposition was put into effect on April 1, 1887. It was agreed to start a class in pharmacy laboratory and to use the chemical laboratory until the new laboratory was ready. The fees charged were to be the same as for Chemistry.

The first month only one student elected pharmacy laboratory, the second month there were two, and gradually this number increased.

On March 13, 1888, Dr. Emanuel promoted the idea that laboratory practice in both pharmacy and chemistry be made obligatory for at least two months, and that the student be given the option of taking it either the first or the second year. Such a resolution was unanimously adopted by the Board of Trustees on April 2, 1888.

It was again through the assistance of many friends of the College, among whom were George A. Kelly, who was paid for merchandise by note and William Thaw, that necessary expenditures were met for needed improvements.

By act of legislature, approved May 24, 1887, a state pharmaceutical examining board was constituted. The governor, James A. Beaver, appointed the following as members of this Board: Alonzo Robbins, Philadelphia; Frederick H. Eggers, Allegheny City; Harry B. Cochran, Lancaster; A. B. Burns, Montrose; H. A. Taffel, Philadelphia. Later the official title of the examining board became the Pennsylvania Board of Pharmacy and now it is the State Board of Pharmacy.

Mr. F. H. Eggers was now treasurer of this Board. In spite of the great need for money, the College offered to the State Pharmacy Board two rooms for examination purposes. This offer was accepted. The Board of Trustees then placed at the State Board's disposal space whenever it was needed, and this policy is still in operation.

The need for more commodious quarters was now very evident and the members of the Corporation began to think in terms of a new

building of its own. A committee, consisting of F. H. Eggers, S. S. Holland, and C. H. Beach, was appointed to look into the ways and means by which this could be accomplished.

The friendly interest of the members of the medical profession was evidenced by the fact that Drs. John M. Duff, James McCann, Robert B. Mowry, and Dr. Fulton rendered their services at graduation exercises by giving the principal commencement addresses. It is also recorded that Dr. W. S. Simpson gave a lecture on the metric system to the Board of Trustees.

Increasing interest on the part of large drug companies is shown by the fact that Lehn and Fink and Parke, Davis & Co. each sent large donations of crude drugs. It was through such cooperation that the College was able to progress.

On January 13, 1891, the College was notified that they must vacate their quarters before April 1, 1891. A committee consisting of Mr. F. H. Eggers, Dr. Louis Emanuel, and Professor Stevens was appointed to confer with the Trustees of The Medical College, the Free Dispensary, and the Curry Institute, or any other institution with which they might be able to make arrangements for the accommodation of the Pittsburgh College of Pharmacy. After looking into several possibilities, together with much planning, the College was able to rent quarters at the Schmertz Building, corner of Water and Market Streets, which were subsequently occupied by the College for the fall classes of the 1891-92 session. The Allegheny County Druggists Association rented a room for their regular meetings at \$25 per annum.

The new quarters were made possible only because Professors Koenig, Blanck, and Koch each agreed to pay a portion of the rent each year until the College was financially able to pay the full amount.

And so, the first decade of pharmacy education in Pittsburgh ended with promise of a greater future.

PART TWO

Affiliation With The Western University of Pennsylvania

AFFILIATION WITH WESTERN UNIVERSITY OF PENNSYLVANIA

THE COLLEGE

The year of 1891 was epoch making in the history of the institution and characterized by a marked change in its policy.

At a meeting of the Board of Trustees held on April 21, 1891, Julius A. Koch became the first dean of the College and was also elected Professor of Pharmacy. At this same meeting Dr. Adolph Koenig and Dr. Hugo Blanck were re-elected as Professor of Materia Medica and Botany and Professor of Chemistry respectively.

During a personal interview Dr. Koch said that he made the following statement, "I will accept the deanship if the sessions are changed from evening to the daytime."

Therefore, at a subsequent meeting held on May 12, 1891, the Board of Trustees went on record to change the College sessions from night to day classes, to be held six afternoons a week. (see Appendix G, page 276)

Now for the first time attendance was compulsory, and it was suggested that the professors take the roll and make their report to the Board of Trustees.

Tuition was fixed at \$65 a year, which included a course in Chemistry, Materia Medica and Botany, Pharmacy, Laboratory Practice and Microscopy. The course in Microscopy was new, and Professor Gustave Guttenberg, of the Central High School, was engaged to teach it. Because of the death of Professor Blanck, Louis Emanuel was elected as Professor of Inorganic Chemistry, with full charge of the chemical laboratory.

The following was adopted by the Board of Trustees and spread upon the minutes:

Whereas,—By the will of Divine Providence the useful life of our Professor of Chemistry, Dr. Hugo Blanck, has terminated in death, we, the

members of the Pittsburgh College of Pharmacy, deem it our duty to express our personal sense of loss sustained by the College, in which he labored so faithfully for so many years.

To his integrity, erudition, and tireless activity, the institution owes much of its success. In his death, his pupils lose a steadfast friend and adviser.

Professor Louis Emanuel resigned December 13, 1892, because of ill health, and because the work connected with the chair of chemistry required too much time and effort, and Dr. Frederick T. Aschman was elected January 3, 1893, to take his place. Upon assuming the chair, Dr. Aschman made inquiry as to the use of the laboratory. He was granted the same privileges as the late Professor Blanck: he retained two-thirds of the tuition he collected, and assumed all expenses, such as gas, chemicals, etc., and agreed to replace any articles which were broken. Today such an arrangement would be unthinkable and be considered unprofessional.

It was through the liberality of Messrs. Samuel S. Holland, William G. Schirmer, and Richard Mierzwa that two volumes on Medicinal Plants by Millspaugh were added to the library at this time.

The Board of Trustees now decided that instead of yearly appointments, the faculty should be elected and, unless for some special reason, they should be retained until a vacancy would occur, thus eliminating yearly elections. With the increase in the number of students taking laboratory courses, an assistant in the laboratory was necessary. However, Dr. Koch was informed that he was permitted to have one, provided he did *not* add any extra expense to the College.

Crude ground drugs were needed for several courses. Mr. James B. Cherry solicited and received for the College a large lot from Messrs. Gilpin Langdon & Co., Baltimore, Md. Dr. Alfred Stengel also contributed specimens of drug plants reputed to be especially fine.

Additional books for the library were provided through the good auspices of Congressman Dalzell. *Birds of Pennsylvania* was presented by Representative Alfred Marland. Upon the suggestion of Professor Koenig, a complete set of United States Pharmacopoeias were acquired by exchange.

By donations from many friends and careful planning on the part of the Board and Faculty, the College was able to keep going

forward. In 1894, it was decided to increase the term by 10 per cent of the number of lectures given. This was another advance.

Up to now there had been replacements on the Board of Trustees, but at this time it was deemed necessary to have some regularity about this procedure. At a meeting of the members of the College Corporation held on April 11, 1893, a whole new Board of Trustees was elected to serve for definite terms. Eleven names were proposed and the six who received the smallest number of votes were elected for six months and the other five were elected to serve for one year. Those elected for the year beginning March 1893 were as follows:

<i>One Year</i>	<i>Six Months</i>
Joseph F. Neely	Perry M. Gleim
Louis Brehm	John Beck
Emil Schaefer	Fred W. Eggers
C. H. Beach	Fred H. Eggers
E. N. Gillespie	Morris Einstein
	William G. Minnick

Then, at a meeting held on March 26, 1894, it was suggested that the bylaws be changed so that the Trustees would be elected for two years, instead of one year. Five were to be elected on the last Monday in March to serve for two years, and six in March the following year to serve for two years.

Due to the gradual increase in enrollment, the question again arose regarding more commodious quarters for the College. At a meeting of the College Corporation held September 1893, Mr. Emil A. Schaefer proposed that a committee be appointed to acquire a building site. This committee, consisting of Louis Emanuel, Joseph F. Neely, Julius A. Koch, Emil A. Schaefer, chairman, and A. C. Robertson, president of the Corporation, reported at a special meeting, held November 14, 1893, that sixteen different places were available. Therefore, the quarters in the Schmertz Building were not re-leased.

Of interest is the fact that a firm of surveyors and real estate men, Evans and Reese, had offices in the Schmertz Building. Mr. Reese was much interested in the College and spent a great deal of time in the laboratories watching the students at work. It was at Mr. Reese's suggestion that an old mansion at the corner of Pride and Bluff Streets was investigated. At a special meeting of the Trustees held February

1, 1895, Professor Koch reported "since the last meeting the committee has received a proposition from the owners of the property situated at Pride, Bluff, and Vicroy Streets," After negotiations were completed the building at Pride and Bluff Streets was leased, beginning April 1, 1895, with an option of buying the property within three years. Necessary improvements in the structure were made and the classes of the fall session of 1895 were held in the new quarters. The building was subsequently purchased.

At a meeting held November 12, 1900, Dr. Koch reported that "The laboratory facilities were inadequate to the present needs of the classes and urged that larger and better facilities be arranged for in the near future."

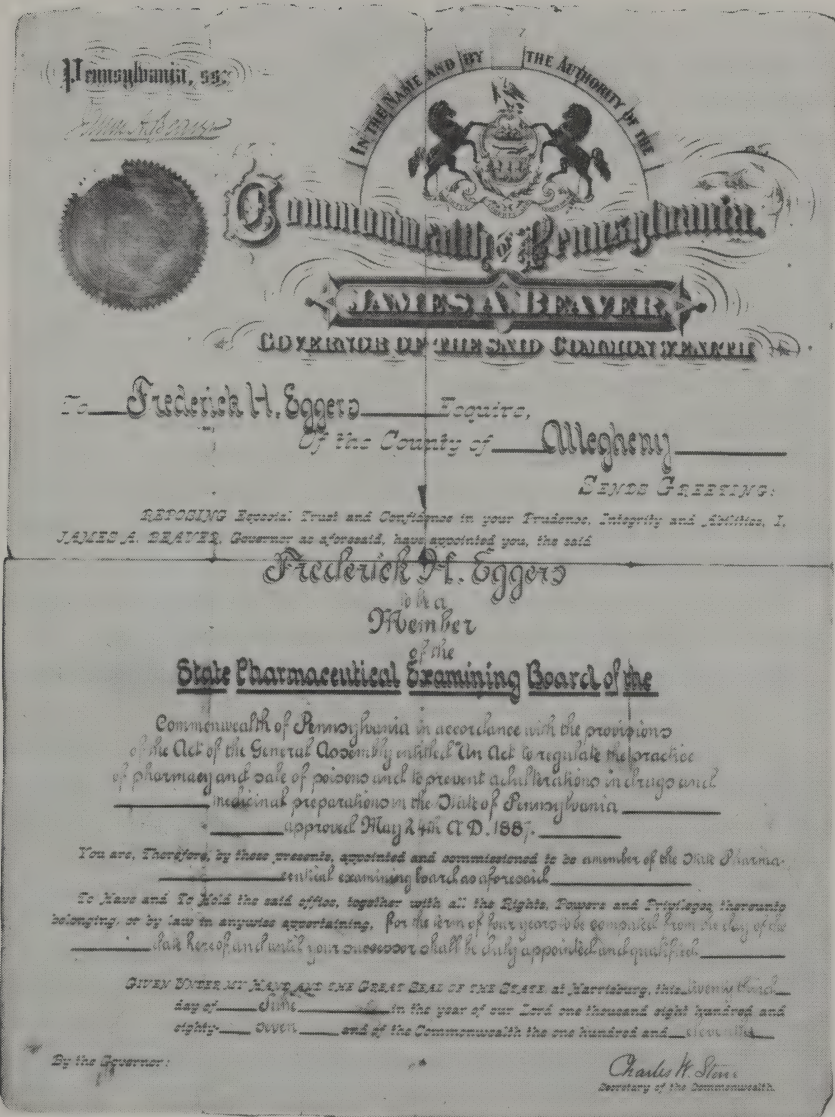
This suggestion resulted in two substantially built additions which were in use until the College moved into its recent new building. Alterations in the various rooms and laboratories have been made from time to time as the need became apparent. The purchase of the new quarters, with the additions, was due in a great measure to the help and donations from time to time of the College's many friends.

The natural consequence resulting from the proposition to purchase a building was the discussion of plans to raise money for the purpose. In connection with this plan it is reported in the minutes of a meeting held February 12, 1895, that The W. J. Gilmore Drug Co. donated a sum of one thousand (\$1,000) dollars toward the new building. Dean Koch was appointed chairman of a committee to obtain subscribers. The success of this drive is evident in the list of subscribers which appeared in printed form under date of June 1, 1895. (see Appendix H, page 277)

In March 1895, Dr. Koch was appointed as a member from the College to a committee of the American Pharmaceutical Association, whose function it was to report on the graduation requirements to the Association. This reveals Dr. Koch's deep interest in pharmaceutical education at the national level.

Curricular changes now came about. Latin was added to the curriculum, and on May 14, 1895, Professor Skalweit was engaged to give ten lectures. A series of lectures in pharmaceutical law was also given by Professor Thomas Stephen Brown.

A tuition increase in view of the aforementioned was imminent and on May 14, 1895, tuition was advanced to \$75 a term.



Appointment certificate of Frederick H. Eggers to the Pennsylvania State Pharmaceutical Examining Board, 1887.

Original document 15 1/2" x 20 3/4".

AFFILIATION WITH THE UNIVERSITY

Barely settled in their new quarters, this group of forward-looking men felt that it would be advantageous for the College to become a department of the Western University of Pennsylvania. A committee, consisting of Dean Koch and Messrs. Ihrig and Robertson, was appointed to contact Dr. William S. Holland, then chancellor of the University. No immediate action resulted from this visit other than that the committee was requested to furnish all the details of the College to be incorporated into the prospectus of the University. This step eventually resulted in an affiliation of the Pittsburgh College of Pharmacy with the Western University of Pennsylvania, and on April 16, 1896 the College became the Department of Pharmacy of the Western University of Pennsylvania. (see Appendix I, page 282)

Emil A. Schaefer was elected as the representative from The Pittsburgh College of Pharmacy Board to the Western University of Pennsylvania Board of Trustees.

Now having ample room, the Board of Trustees of the College agreed on April 14, 1896, to offer a third-year term.

The following is the report of the committee on third-year term:

The Committee recommends that the present degree of Graduate in Pharmacy (Ph.G.) be retained for a two-year course, substantially the same as heretofore or so modified as the Faculty may deem proper. In addition to this it is recommended that an additional degree of Doctor of Pharmacy (P.D.) be given to those who shall complete a third-year of study and pass an examination, such as may be arranged by the Faculty and Examining Committee. This degree to be given only to those who shall be Graduates in Pharmacy of this or any other reputable College, after the candidate shall fulfill the conditions above mentioned.

It is further recommended that a degree of Pharmaceutical Chemist be offered to those completing the three years' course, but who have not had the required experience for the Ph.G. or P.D. degrees. At least the third year of this course of study, leading to this degree, must have been taken at this College.

It is also recommended that a degree of Master in Pharmacy (Ph.M.) be offered to those who, being graduates of this College, have for five years after graduation continued in actual practice of their profession and shall

present to the Board of the College a suitable thesis or dissertation on original research satisfactory to the Faculty and Examining Committee.

/s/ *F. T. Aschman*

/s/ *Adolph Koenig*

/s/ *Louis Emanuel*

The Board of Trustees, on June 9, 1896, approved plans for the College to have an exhibit at the meeting of the Medical Society, to be held in Pittsburgh in May 1897.

At this time it became necessary to pay the salaries of the Faculty in four month notes. These notes were to be made out for the amount due or such amount as the individual might require at the time. Thus we see the early Faculty were deeply interested and unselfish and gave not only of their abilities but also helped financially.

Unfortunately at this critical time Professor Guttenberg died. He had been a very faithful and tireless faculty member. William J. McAdams was elected to the chair of Professor of Microscopy at a special meeting of the Board held September 28, 1896.

Changes were now more gradual for a time. Dean Koch was instrumental in getting additional seats for the classrooms. The senior class of 1900 equipped a reading room for the students. A room on the fourth floor was fitted up for the comfort and privacy of the women students. Additional donations of crude drugs were made by Lehn & Fink; Parke, Davis & Co. gave a collection of fluid extracts; and Miss Lyra B. Haven (1899) donated eleven books on pharmacy. Another change of importance was the increase in the tuition rate from \$75 to \$85 per term, beginning on October 3, 1899.

Professor Richard A. Skalweit, who had taught Latin since 1895, took a leave of absence because of poor health and he was instructed to select someone to replace him. He recommended Professor Gundlach, who taught just a short time, in fact, only until November, 1900, when Rev. S. S. Poppoff replaced him in December of the same year.

The curriculum was in need of further expansion and improvement. A chair of Applied Pharmacy was created, with Professor James H. Beal at the head. Professor Frederick T. Aschman was appointed Professor of Inorganic Chemistry and Director of the Analytical laboratory. Professor Julius A. Koch was appointed Professor of Organic Chemistry and Professor of Theoretical Pharmacy on November 3,

1903. The Chair of Microscopy was changed to the Chair of Microscopy and Pharmacognosy.

On April 30, 1901, the office of Dean of the faculty was abolished and the offices of chairman and secretary of the faculty were created. Dr. James H. Beal and Dr. Julius A. Koch were elected to these offices. These two men worked hand in hand for the advancement of the College educationally and for the improvement of the physical plant. Dr. Beal also taught at the Dental School, holding the Chair of Professor of Chemistry, Metallurgy and Microscopy. The office of Dean was re-established in 1903 and Dr. Julius A. Koch was again made Dean.

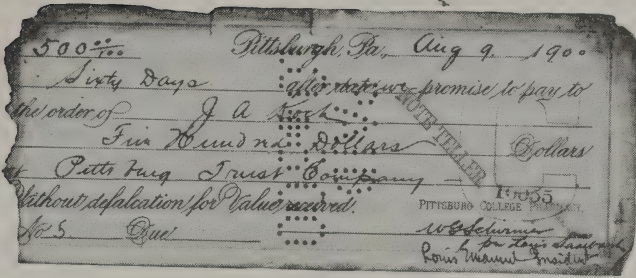
The faculty was designated by the Board of Trustees to promote better public and professional relations and to compile a complete list of alumni.

Early in May, 1900, a group of Delegates (3 from each college or school of Pharmacy) met in Richmond, at which time the American Conference of Pharmaceutical Faculties was organized.

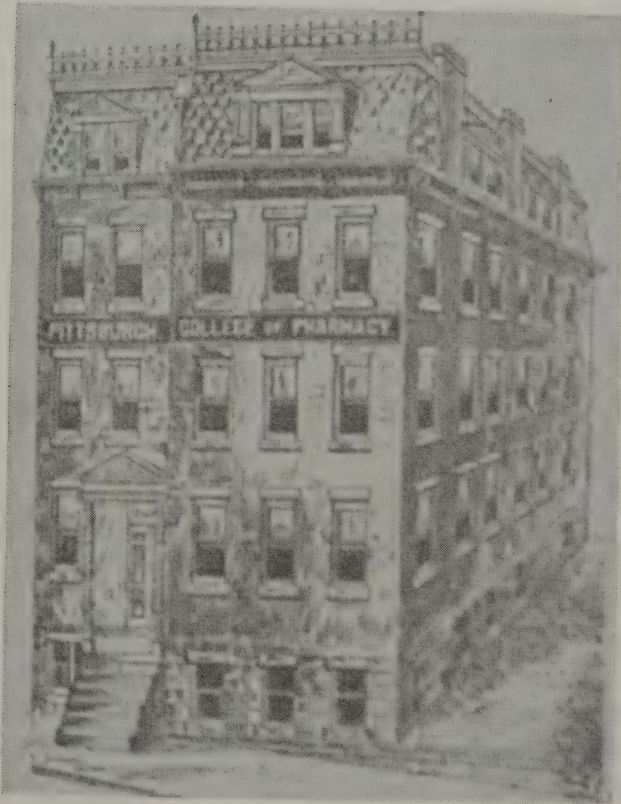
"The preliminary work prior to the organization of the American Conference of Pharmaceutical Faculties is not recorded officially. Dr. Koch and Dr. Beal and others had many preliminary discussions, but it was just prior to the 1894 American Pharmaceutical Association meeting that Dr. Beal prepared a circular letter and George B. Kauffman joined in signing it. The letter invited a number of colleges to meet in conference at Asheville. These men were ahead of their time, and it was not until May 8, 1900, at Richmond, Virginia, that the preliminary organization of the American Conference of Pharmaceutical Faculties took place. This meeting was called by Henry P. Hynson, secretary of the Maryland College of Pharmacy." The American Conference of Pharmaceutical Faculties guided the activities of the Colleges of Pharmacy nationally until this organization was succeeded by the American Association of Colleges of Pharmacy (1925).

Dr. Koch, Dr. Aschman, and Mr. Sutter attended as representatives from The Pittsburgh College of Pharmacy. The Pittsburgh College of Pharmacy again was among the leaders in planning advancement for the betterment of our field. The College was a charter member of this group and was active in its programs.

These men also attended the 1900 United States Pharmacopoeial



Note for faculty salary, 1900.



Original home of The Pittsburgh College of Pharmacy.

Convention, and also made suggestions for the revision of the United States Pharmacopoeia. (see Appendix J, page 285)

To promote a better understanding of large plant production, Parke, Davis & Co. extended an invitation to the student body and faculty to visit their plant at Detroit, Michigan, on March 4, 1902. These visitations have been made yearly since, with the exception of the war years. Similar trips have also been made for many years to Eli Lilly and Company in Indianapolis. Later the Abbott Laboratories in North Chicago were also visited.

The faculty then remained much the same until Dr. Adolph Koenig resigned the teaching of Botany and Materia Medica. In April, 1905, he was made Emeritus Professor of Botany and Materia Medica, and assistant in chemical laboratory. Dr. Frederick T. Aschman was relieved of work of the Junior Class and was elected Professor of Chemistry. Mr. A. Roy Lanning was appointed general assistant and Professor of Latin. Dr. Julius A. Koch was made Professor of Physics and Chemistry.

The committee on curriculum had decided to add Pharmacognosy and Bacteriology during the Senior year. Dr. William J. McAdams was elected to this Chair with Mr. Frederick J. Blumenschein as his assistant.

The next step for improvement of standards was to change the entrance requirements. On December 5, 1905, the Board of Trustees voted that all applicants must have had at least one year in a high school or its equivalent and that each applicant must be seventeen years of age.

At a meeting of the Board of Directors on August 7, 1906, Louis Saalbach was elected Professor of Pharmacy; Herman S. Kossler, instructor in Pharmaceutical Arithmetic; and Peter G. Walter, Professor of Latin.

It was at the insistence of Dr. Koch that a request was made of the State Department of Education to appoint a local examiner to pass upon the eligibility of applicants to the College. The Superintendent of Education appointed City Superintendent Samuel Andrews to conduct the preliminary examination of matriculants.

No doubt because The Pittsburgh College of Pharmacy had one year of high school as a prerequisite, Dr. James H. Beal and Dr. Julius A. Koch were appointed by Mr. Mason as members of a com-

mittee to prepare a draft of a "Pre-Requisite Law" to be presented at the American Pharmaceutical Association meeting in Atlantic City in 1905. In this way their influence brought about a national acceptance of a regulation requiring one year of high school for admission to a school of pharmacy.

The idea of a post-graduate course was promoted by Dr. William J. McAdams as early as July 10, 1906.

The need for a larger library was recognized and Mr. James B. Cherry donated his library of 65 bound volumes to the College as an aid to this project.

On May 7, 1907, it was announced that there would be a series of lectures on commercial topics by experienced active druggists. The following assignments were made in providing this additional lecture course: Edward J. Kretz: "How to Buy Right"; Richard Mierzwa: "Financial Methods"; John R. Thompson: "Commercialism"; Louis Emanuel: "Ethics"; Benjamin E. Pritchard: "Associations."

In March, 1905, the Dental School of the Western University of Pennsylvania moved into quarters at Pride and Bluff Streets, after changes were made to accommodate our colleagues. Dr. James H. Beal's connections with the Dental faculty undoubtedly had a great deal to do with their decision to share the quarters of the Pharmacy School. (see Appendix K, page 286) The two institutions worked in harmony until the quarters became too crowded for both professions. Consequently, the Dental School moved to the University campus on September 5, 1911, though they still used one lecture room in the pharmacy building. The annual Dental State Board examinations were held in the pharmacy building for many years.

At the commencement exercises held in the spring of 1905, Mr. J. Homer Smith, a member of the class, gave an inspiring valedictory address in which he stressed the value of an education in Pharmacy.

The commencements of the School of Pharmacy and of the other departments of the University were not held at the same time and for the most part those of Pittsburgh College of Pharmacy were held in the Carnegie Music Hall, Allegheny City. The degrees were conferred by the President of the Corporation. However, after the College became affiliated with the University, the Chancellor conferred the degrees at all commencement exercises. Chancellor Samuel B. McCor-

New York, Feb. 1

Dear Sir.

I thank you very much for the compliment of your invitation, but am obliged to decline it as I am not in the lecture field.

- Very truly yours
Mark Twain

I should not be able to find time to make the journey, in any case.
S^hc

Mark Twain gave his last lecture at Carnegie Hall, New York, in 1905 or 1906.

mick conferred the degrees on our graduates for the first time at the 1907 exercises.

CONSOLIDATION WITH SCIO

On June 9, 1908, Dr. Koch presented to our Board of Directors a plan for the purchase of the Scio College of Pharmacy, located at Scio, Ohio, and the consolidation of the two institutions. The committee empowered to act on this matter with Dr. Julius Koch was Dr. Louis Emanuel, Messrs. Richard Mierzwa, John R. Thompson, and George W. Kutscher. The two colleges were subsequently merged (1908) and the students of Scio were admitted to the Pittsburgh College of Pharmacy. The Alumni of Scio College of Pharmacy were adopted as Alumni of Pittsburgh. Dr. James H. Beal, Dean of Scio, came to The Pittsburgh College of Pharmacy as Vice-Dean and to teach pharmacy. At this time the James H. Beal Scholarship was established. (see Appendix L, page 290)

During the school year beginning with the fall session of 1908, Messrs. John Coleman, of Wheeling, West Virginia; Lucius L. Walton, of Williamsport, Pennsylvania; L. C. Hopp, of Cleveland, Ohio; and Richard Mierzwa and Benjamin E. Pritchard, of Pittsburgh, gave a series of lectures and papers to the members of the Senior Class to acquaint them with some of the many problems connected with operating one's own business.

The Corporation members were interested not only in the College, but also wanted all pharmacists to have the advantages of a professional organization. Dr. Julius A. Koch undertook to affect such organization and on January 28, 1909, the first meeting was held at the College of Pharmacy. On that day and at the place stated the Pittsburgh Branch of the American Pharmaceutical Association held its first meeting and organized with a charter membership of thirty-four (34). The Pittsburgh Branch has since been continuously active with the exception of short periods of time during war years.

At a date as early as December 1, 1908, a committee of three, namely, Drs. Julius A. Koch, James H. Beal, and Professor Louis Emanuel was appointed by the Board of Trustees to discuss the advisability of establishing a three-year course of instruction for undergraduates. Nothing definite was done at this time.

The State Pharmaceutical Examining Board of Pennsylvania on January 25, 1909 issued the following regulations to the twenty-six (26) schools of pharmacy recognized by that Board:

All applicants for certificates as registered pharmacists graduating from schools of pharmacy recognized by this board, and graduating after July 1, 1909, must furnish satisfactory evidence of having received at least 1100 hours of instruction in one or more of these recognized schools, 600 hours of which must be laboratory instruction.

Respectfully yours,
/s/ Charles T. George, Secretary

Each school was required to furnish a sworn statement of hours of instruction in lectures, laboratory and quiz courses. The schedule at Pittsburgh College of Pharmacy consisted of hours devoted to lecture, 9 A.M. to 12 P.M. and 1 P.M. to 2 P.M., with laboratories from 2 P.M. to 6 P.M. five days a week and on Saturdays 9:15 A.M. to 1:15 P.M. The report revealed that the total number of hours of instruction at the College were in excess of those required. It was also necessary to certify to the State Board that accurate records of attendance were kept in both laboratory and lecture classes. This information was promptly supplied.

The Board of Trustees, on February 1, 1910, adopted the report of its committee on grades and promotions which recommended that for graduation a student must make an average of 75 per cent in all branches; and also on March 10, 1910, that all

candidates for the degree of Ph.G. who have completed the course of study leading to the degree as specified in the catalogue, but who have not had four years' practical experience in a retail drug store, shall be admitted to all final examinations, and in case they shall successfully pass such examinations, shall receive a Certificate of Proficiency signed by the Dean and certifying to the facts aforesaid.

If at any subsequent period the holder of a Certificate of Proficiency shall present to the dean satisfactory evidence of having his four years of practical experience in the retail drug business and shall comply with all other rules and requirements of the college at that time in force, he shall at the next regular commencement be granted, in exchange for such Certificate of Proficiency, the regular diploma and the degree of graduate in pharmacy shall be conferred upon him.

The College not only sent Drs. Julius A. Koch, James H. Beal and Louis Saalbach as delegates to the Pharmacopoeial Convention, but also made an effort to have the convention recognize the Western Pennsylvania Retail Druggists' Association, Inc. The Board of Trustees of the United States Pharmacopoeial Convention did not look upon this with favor. (see details Appendix M, page 292)

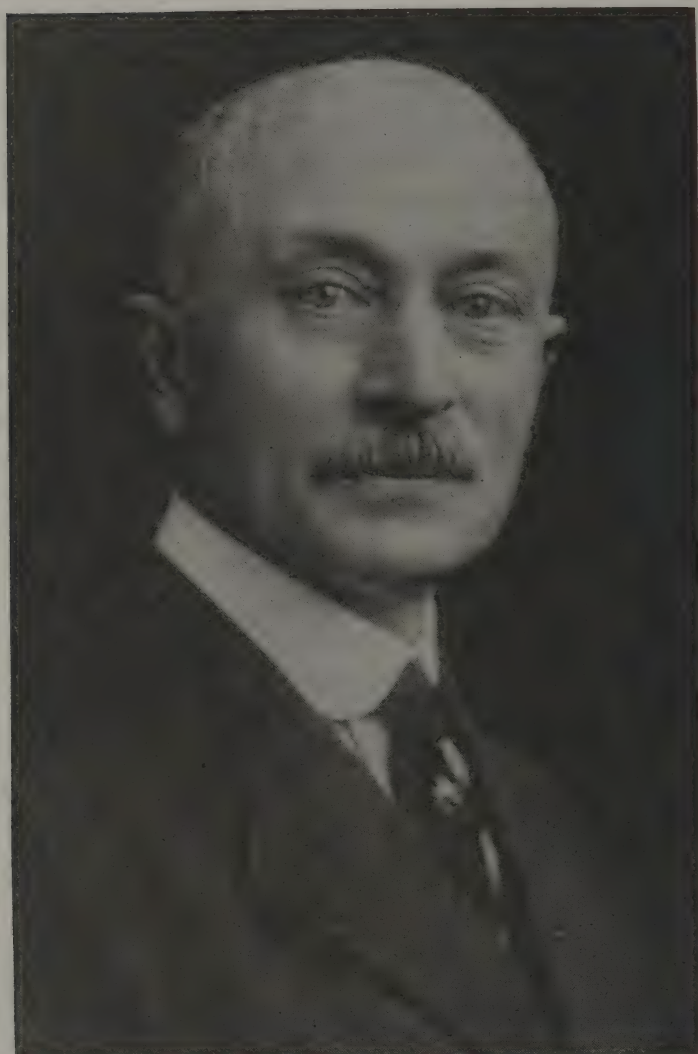
At the 1910 United States Pharmacopoeial Convention, The Pittsburgh College of Pharmacy was honored by having two of its members chosen to fill important positions. Dr. James H. Beal was made Chairman of the Board of Trustees and Dr. Julius A. Koch was made a member of the Revision Committee.

During the summer of 1910 the College met with a disappointment and a loss by death. Thomas Stephen Brown, who had been giving lectures in Pharmaceutical Jurisprudence, resigned because his business took up his time and it was not possible for him to continue to lecture at the College. The College also suffered a profound loss in the death of Dr. William J. McAdams. Dr. Leasure K. Darbaker was elected to succeed him.

Shortly thereafter Dr. Julius A. Koch reported that arrangements had been made with the Medical Department of the University of Pittsburgh to utilize a part of the chemical laboratory for the instruction of medical students. They supplied their own lockers, equipment, and chemicals, but paid the Pittsburgh College of Pharmacy a rental for the space. Dr. Koch reported "that all chemical instruction in every department of the University of Pittsburgh, except in the collegiate and engineering courses, was being given in the laboratory of the Pittsburgh College of Pharmacy." This arrangement was to be for only one year.

A closer cooperation between the University and the College of Pharmacy was in a continuous process of development. The graduation exercises of 1911 were arranged to be held with the other departments of the University at the regular commencement. Since this time the College of Pharmacy has always participated in University commencements.

Dr. James H. Beal announced that he had been elected Editor of the Journal and General Secretary of the American Pharmaceutical Association and, therefore, resigned his position as Professor of



Dr. Julius A. Koch, first dean of the College, until 1932.

Theory and Practice of Pharmacy. Not wanting to lose his services, the Board elected him to the Chair of Pharmaceutical Jurisprudence.

Dr. Louis Saalbach was elected to the Chair of Theory and Practice of Pharmacy and John H. Wurdack was appointed to assist Dr. Koch, who now took over some of Dr. Beal's duties as Professor of Theory and Practice of Pharmacy.

RAISED STANDARDS

At a meeting of the Board of Trustees held September 5, 1911, Dr. Koch moved "that a rearrangement of the faculty be made so that the members be placed on a salary basis, in lieu of, as heretofore, on per student and per hour basis." The motion was amended that a committee of five be appointed to confer upon the adjustment of salaries. The motion was amended and passed. After a short recess a salary scale was also adopted.

At the same meeting it was also reported that the Dental School was leaving the Pharmacy building, but wanted permission to use one lecture room, which was granted.

Emil A. Schaefer, on November 7, 1911, resigned as the College of Pharmacy representative on the Board of Trustees of the University and John C. Wallace was elected as his successor.

Dr. Adolph Koenig, too, tendered his resignation, because he had become an Examiner of the Medical State Board. He had taught in the College for 25 years and his resignation from the Chair of Physiology was accepted with great regret. Dr. Frederick A. Rhodes was appointed to succeed him.

The increase in the number of faculty and in the number of teaching hours could not be accomplished without additional revenue. Therefore, all new students after March 4, 1913, were required to pay a matriculation fee of \$5.00. If tuition was not paid in one payment by October 15, there had to be two payments of \$55 each.

The College of Pharmacy had representation in the deliberations of the International Pharmaceutical Congress in the person of Dr. Julius A. Koch. He, with Dr. Joseph P. Remington of the Philadelphia College of Pharmacy, were the American Representatives to this Congress held at the Hague in 1913.

In October of this same year the May Drug Co. subscribed a sum sufficient to provide two scholarships each year for five years. These scholarships were kept in force for many years. In fact, in February 1922, Mr. Barney May made a bequest of \$2,500, the principal and interest thereon to be used in approximately ten equal installments for two scholarships in the Pittsburgh College of Pharmacy for ten years.

In 1914 Eli Lilly & Company, through their representative, Mr. G. M. Campbell, donated to the College a handsome and complete collection of crude drugs, which was placed on display in the main hall. Each jar contained the name of the drug, its definition, habitat, etc. This collection was used by the students for many years. H. K. Mulford also, in 1914 through their representative, a Mr. White, presented the College with a complete collection of their biological products, with accompanying literature. This collection was placed in the bacteriological laboratory, where it was also available to all students.

The Board of Trustees, at a meeting held June 1, 1915, unanimously approved the action that "Beginning with the 1916 term, requirement for admission to the regular college course leading to the degree of Graduate in Pharmacy shall be an education equivalent to the completion of the second year's instruction in an approved high school or academy." Thus slowly the entrance requirements were being raised.

Dean Koch, on November 9, 1915, offered the following resolution to the Board of Directors: "Resolved that the Board of Directors approving of the standards agreed upon by the American Conference of Pharmaceutical Faculties directs that these be put in force by our college." This resolution was unanimously adopted.

On September 13, 1915, a request came from our friend, Dr. Adolph Koenig, that because the state appropriation had been so greatly reduced as to make the furnishing of medicine impossible, that the College of Pharmacy supply such medicines as may be required in the Tuberculosis Free Dispensary. It was decided that we would participate.

It is a pleasure to mention that a course of lectures was given to the students of the College through the courtesy of Parke, Davis & Co., by their representative, William J. Bryan, M.D. The lectures

embraced such subjects as Immunity, Serum, Therapy, Vaccination, Sero-Bacterins and Opsonins, and also that Mr. W. T. Gwyer had delivered a lecture on "Twenty Years Experience in Building a Retail Business."

Another change in the application procedure was made at this time (1916), when it was made mandatory that any student applying for admission to the College of Pharmacy must hereafter present evidence of endorsement or recommendation by not less than two responsible persons as to his moral fitness and other qualifications to become a pharmacist. This requirement is in force to the present time.

In the fall of 1917, tuition was raised to \$150, to be paid in two payments of \$75 each.

The Edmunds Bill, having as its objective the raising of "An Army Pharmaceutical Corps," came up just at this time. The Board of Directors of The Pittsburgh College of Pharmacy wrote letters to the members in the House of Representatives of the United States, asking that this bill be given their full support. Rep. Stephen G. Porter, a graduate in the pharmacy class of 1891, Guy E. Campbell, Mahlon M. Garland, and M. Clyde Kelly each answered and assured us that he would lend his support and vote for the passage of the bill. Dr. Koch went to Washington as our representative at the hearing on the bill. Unfortunately, this bill was never passed. (see Appendix N, page 293)

Upon the entrance of the United States into World War I, students were drafted or inducted into the armed services. The University having adopted compulsory military training for all students, Dr. Julius A. Koch recommended that a place be fixed in the curriculum of The College of Pharmacy for forty-five minutes of military drill each day except Saturday and that the same period be utilized by women students for lectures in Red Cross work and First Aid practice. Approximately 168 students entered the services, twenty-eight of whom went to Officers Training Camp. The Pharmacy School was represented by a number of students in Base Hospital No. 27, American Expeditionary Force. All students who enrolled in the fall of 1918 were eligible for Students Army Training Corps, subject to military authority and required to live in barracks.

Early in 1919 attention was directed to the wording in the 1915 Pennsylvania Pharmacy Act, Section 4, which reads in part "and admits the graduates of *all* such colleges to licensure examinations." The Board of Directors wrote to Senators Einstein and Snyder that they favored the elimination of the objectionable words referred to and recommended an amendment that would eliminate this feature of the Act. This change was not made at this time.

Dr. Koch, upon his return from a meeting held in Philadelphia early in 1919 with the deans of the other pharmacy schools in the State of Pennsylvania, presented the unanimous conclusion of the group: "That beginning with the classes of 1921 there will be required three years instruction in high school and beginning with the classes of 1923 there will be demanded four years of such instruction previous to matriculation of a student." Needless to say, the Board of Directors of The Pittsburgh College of Pharmacy agreed to the recommendation of the conference at Philadelphia by unanimous vote. Consequently, all students admitted in the fall in 1921 had as a prerequisite 3 years of high school work.

Beginning with the 1920-21 term, the tuition was increased to \$200 per year.

Dr. John G. Bowman having become Chancellor of the University, a dinner was held in his honor by the Board of Directors and faculty of The Pittsburgh College of Pharmacy at the Pittsburgh Athletic Association on February 4, 1921. At a short meeting following this dinner Dr. Koch spoke of the possible affiliation with St. John's General Hospital, on McClure Avenue, North Side, Pittsburgh. Dr. Edward C. Reif, who was and still is a member of the senior staff of that institution, promoted such an affiliation because of the mutual advantages to be gained by each institution.

Shortly after the affiliation with St. John's a new course was added to the curriculum known as "Hospital Technology." The students completing the course received the certificate of Hospital Technician. The first year there were five students in this course. It was offered until it was thought that it would create better professional relations if it were discontinued.

On October 3, 1922, Dr. Koch recommended to the Board of Trustees the appointment of C. Leonard O'Connell to the faculty. He became dean upon the retirement of Dr. Koch in 1932.

At the meeting of the Board of Directors held May 2, 1922, Dr. Koch offered the following resolution:

Resolved—That after this date all applicants for admission to the regular course of instruction must furnish a certificate from the Bureau of Professional Education certifying to the completion of four years of high-school work.

This was unanimously adopted.

The University of Pittsburgh now took over the Pittsburgh Free Dispensary and the College again offered to supply pharmaceuticals until a permanent arrangement could be worked out.

Beginning with the fall term of 1923-24 the tuition was increased to \$225 per year.

At the organization meeting of the National Conference on Pharmaceutical Research held in Cleveland on August 12, 1922, the following resolutions were passed:

Resolved: It is the sense of this Research conference that every College of Pharmacy should provide the necessary financial means so that at least one professor, or if that should not be possible, an assistant be appointed to devote his entire time to research.

Resolved: That these resolutions be sent to the trustees of the various colleges of Pharmacy.

Respectfully submitted,
/s/ H. V. Army, Temporary Chairman

After free discussion of the Board of Directors, the secretary of the Board was instructed "to notify Dr. Army that this *Board of Directors* concurs in the object sought for in these resolutions."

Dean Koch reported having attended a meeting of the deans of the colleges in Pennsylvania held for the purpose of discussing the new requirements adopted by the American Conference of Pharmaceutical Faculties with reference to the attitude of the Pennsylvania Board of Pharmacy. The result of this conference was the adoption of 1,500 hours for a two-year course, with a minimum of 30 weeks to constitute a college year. It was further adopted that a three-year course should be in force in the fall of 1925. This action was taken to conform to no. 4 of article VI of the By-Laws of the

American Conference of Pharmaceutical Faculties, as reported in their proceedings of 1922.

At a subsequent meeting held in April 1924, the Board of Directors approved a motion "that the course for graduate in pharmacy for those students registering for the term beginning with 1925 shall be three years."

It was indeed gratifying at this time to get a communication from Lehn & Fink, a wholesale drug firm in New York, offering to give a gold medal each year, to be awarded to the student having the highest standing in Pharmacy or one who has done some special work in Pharmacy deserving of recognition. This offer was accepted by the Board of Directors; it is still an incentive to ambitious students in the School of Pharmacy. (see Appendix P, page 296)

With Mr. Robert R. Gaw as chairman of the Pharmacy Division of the University of Pittsburgh Alumni Association, the alumni actively participated in the campaign to raise money to erect the "Cathedral of Learning." The alumni understood that the College of Pharmacy would be housed in this building. The zoning commission, however, did not permit chemical laboratories in this building; therefore, the College of Pharmacy was not given quarters in this structure. However, the College actively participated in the campaign and all money which was collected and any which had previously been obtained was held in escrow until the building of our present quarters on the campus. Needless to say such funds were gladly given to assist in this project.

In 1924 a detailed and comprehensive study, by a committee of experts, of pharmacy as a profession as well as a business, revealed the educational background required of a pharmacist, as well as the added necessity of business ability. This study was made by an advisory committee operating on funds provided by the Commonwealth Fund, to be used in the study of educational problems. After a study of vocational courses it was determined to apply the methods evolved in this work in the study of a profession. Since pharmacy offered the best foothold, it was selected.

Very shortly thereafter, the Commonwealth investigation of Pharmacy began. Dr. Julius A. Koch was made the Chairman of the Advisory Committee on the Pharmaceutical Curriculum. Practically every member of the staff of The Pittsburgh College of Pharmacy

participated in this investigation: Dr. Louis Saalbach in Compounding and Dispensing; Dr. James H. Beal in Jurisprudence; Dr. Frederick J. Blumenschein and Dr. C. Leonard O'Connell in Public Health Study. Dr. Edward C. Reif, Dr. Albert F. Judd, Dr. John H. Wurdack, Dr. Leasure K. Darbaker, Messrs. David Levin, I. Paul Griggs, Carl Wirts, William D. Wardlaw, Miss Genevieve Hines, Miss Besse Swartz; Dr. Louis Emanuel and Mr. Carl Saalbach surveyed 100 stores in the Pittsburgh area. After a careful and open-minded survey, which took two years, the director reported that he was convinced that pharmacy is a profession. Dr. Charters published his findings in a volume, "Basic Materials for a Pharmaceutical Curriculum."

Dr. Koch, in his presidential address as President of the American Pharmaceutical Association, at the meeting held in Asheville, North Carolina in 1922, recommended that the association become a member of the Federation Internationale Pharmaceutique and that a permanent delegation be appointed to represent the American Pharmaceutical Association in the Federation. His recommendation was approved, and the first delegation consisted of Professor Julius A. Koch, Pittsburgh; Professor E. Fullerton Cook, Philadelphia; and Professor Wilbur F. Scoville, Detroit. Membership in this association has been maintained ever since. The various members of the delegation, appointed from time to time, have had an influence on the promotion of an International Pharmacopoeia. The first edition was published in 1951.

Dr. James H. Beal acted as Chairman of the Pharmacy Headquarters Building Committee, a committee, national in scope, organized for the purpose of constructing, equipping, and maintaining a headquarters building for American pharmacy. The Pittsburgh College of Pharmacy faculty contributed \$1,000, and the student body \$1,700. This building is now a reality and stands at 2215 Constitution Avenue, N. W., Washington, D. C.: a busy place visited daily by pharmacists from all parts of the United States and from abroad.

On May 5, 1924, Dr. Louis Emanuel was elected to the Board of Trustees of the University to succeed Dr. John C. Wallace as the pharmacy representative on that board.

The faculty at this time began to lay plans for a definite course in what was then termed Commercial Pharmacy. Dr. C. Leonard O'Connell was placed in charge of this program. This course now

is a department in the pharmacy curriculum and is called Pharmacy Administration.

It was indeed a wonderful day when Mr. John R. Thompson, on behalf of Mr. George A. Kelly, presented a copy of "The Wurttemberg Pharmacopoeia" of 1750 to the College. It is one of the treasures of the Maurice & Laura Falk Library.

In December 1927, Dr. Leasure K. Darbaker presented to the Corporation a detailed plan to develop a drug plant garden in Schenley Park. Mr. F. W. McCulloch was requested to contact Council. Dean Koch directed Dr. Darbaker to see Mr. Moore, Superintendent of Schenley Park, and Mr. Smith, who was in charge of the conservatory, about a plot. This venture was realized. However, in 1947 it became a project of the Hilltop Garden Club.

Botanical excursions also began that year to various parts of the community to observe plants of medicinal importance growing in their natural habitat. This practice is still part of the Pharmacy College curriculum.

The colleges and schools of pharmacy and the state boards of pharmacy of the United States are divided into eight districts for the regional study of problems which affect the colleges, schools and state boards nationally. These district meetings are held between the annual national meetings of the American Association of Colleges of Pharmacy and the National Association of Boards of Pharmacy.

District No. 2, which embraces the colleges and schools of pharmacy of New York, Pennsylvania, New Jersey, Maryland, Virginia, Delaware, West Virginia, and the District of Columbia, and the Boards of Pharmacy from the same states, met in Baltimore in 1928, and Dr. Louis Saalbach was appointed as District Chairman for the Colleges. The first time District No. 2 met in Pittsburgh was in 1950, when Dean Edward C. Reif was chairman for the Colleges.

THE FIFTIETH ANNIVERSARY

Since 1928 was the year of our fiftieth anniversary, it was first thought that there should be a celebration. A decision was made to defer such a celebration until suitable quarters for the school on the

campus was an assured fact. Instead, a banquet was tendered to the graduating class, faculty, and members of the College Corporation on May 28, 1928, at Webster Hall. Dr. C. Leonard O'Connell was chairman of the committee on arrangements. The program was centered around the history of the school. Dr. O'Connell was toastmaster on this occasion and introduced the following speakers:

Founding of the College—*Dr. Louis Emanuel*

Pharmacy in the Early 80's—*Dean Julius A. Koch* (1884)

Reminiscences—*Dr. Adolph Koenig*

Pharmacy in the Early 90's—*Dr. Louis Saalbach* (1895)

20th Century Pharmacy—*Dr. John H. Wurdack* (1909)

Pharmacy Today—*Mr. Bernard F. Daubert* (1925)

Pharmacy of Tomorrow—*Mr. Arthur W. Davis* (1928)

Things We Tie To—*Chancellor John G. Bowman*

One hundred and eighty-five persons attended the banquet.

This event was so well received that at the October meeting of the Board of Directors a committee was appointed, with Dr. C. Leonard O'Connell as Chairman, to consider the advisability of making the dinner to the Senior Class an annual affair. In December Doctor O'Connell presented the following report:

The committee appointed to determine upon the advisability of making the dinner to the Graduating Class an annual institution has decided that the favorable reaction to the affair of last May well warrants its continuance and so recommends.

/s/ *C. Leonard O'Connell, CH.*

The report was accepted and adopted.

This has become a tradition. The affair is now held in connection with the annual alumni banquet, which is part of the commencement week exercises. However, it is of interest to note that the first annual banquet given by a graduating class (1894-95) was held at the Monongahela House on Thursday, April 18, 1895.

In this same year (1928), a pharmacy student, Robert W. Taylor, was among the last eliminated in the choice for the "Ideal University Students," elected annually to receive the George Wharton Pepper Award. This award is no longer made.

At the meeting of the Board of Directors held June 1928, it was decided that a delegate should be appointed annually to represent

the College at the yearly convention of the Pennsylvania Pharmaceutical Association. Dr. C. Leonard O'Connell was appointed as the first official delegate.

Another very delightful school affair was initiated in the fall of 1928, which was in the nature of a reception to the parents of the freshmen students. This was the outcome of a suggestion made by Dr. C. Leonard O'Connell at a faculty meeting, from which it was in turn transmitted to the Board of Directors. The first affair was held at Webster Hall, November 27, from 8:30 to 11 o'clock. Two hundred and four persons attended. Because it was felt that there was need for this very close contact of faculty and parents, the idea of a freshmen reception was continued. However, today, our reception is a part of the Chancellor's Reception to the parents of the freshmen, which is held each fall.

In April, 1929, Dr. Julius A. Koch was appointed the official representative of the American Association of Colleges of Pharmacy to inspect the schools of pharmacy of the Chicago College of Pharmacy, the University of Minnesota, and the University of Wisconsin. He fulfilled this assignment.

Edward Spease in his presidential address, delivered at the twenty-ninth annual meeting of the American Association of Colleges of Pharmacy held in Portland, Maine, August 1928, recommended that "Article VI, By-Law 4 be amended so as to provide for a minimum four-year course in Pharmacy. This was to be effective not later than 1930." The committee on resolutions recommended the adoption of this resolution, which was subsequently approved.

PART THREE

A School In The University Of Pittsburgh

A SCHOOL IN THE UNIVERSITY OF PITTSBURGH



A FOUR-YEAR COURSE

Dean Koch reported "that he attended a meeting of the State Board of Pharmacy and of the Pennsylvania Schools and Colleges of Pharmacy held at York and that the conference had agreed upon establishing a four-year course, and the state board demanding graduation from a four-year course by all applicants who enter schools beginning in the fall of 1932."

After a thorough discussion of the institution of the four-year course, at a meeting of the Board of Directors held June 4, 1929, it was decided that The Pittsburgh College of Pharmacy inaugurate a four-year course beginning in the fall of 1930. This announcement appeared in the annual bulletin of 1929.

A student's branch of the American Pharmaceutical Association was established in 1929. The branch is directed by the student body and the students are afforded the opportunity to obtain information and experience regarding the problems that confront all those concerned with the development and operation of associations, particularly for the pharmacist. One goal of the student's branch was, and has been, to send a representative to the national meetings of the American Pharmaceutical Association. This group was not chartered as an official student branch of the American Pharmaceutical Association until May 1946, when through the efforts of Dean Edward C. Reif and Dr. Stephen Wilson, Dr. Robert P. Fischelis presented a charter to the branch.

February 26, 1931, a dinner was held at Webster Hall by graduates representing the classes from 1895 to 1930. They discussed the advisability and feasibility of forming a Pharmacy Alumni Association. The meeting resulted in the organization of such an association,

with Dr. C. Leonard O'Connell (1912) general chairman, Edward Waldschmidt (1902) vice chairman, Stephen Wilson (1925) secretary, and Robert R. Gaw (1912) treasurer. A vigorous campaign to solicit members followed this meeting. A second meeting of class chairmen was held at Webster Hall on April 16, 1931, for the purpose of organizing a pharmacy unit of the general alumni association. A Pharmacy Unit was organized and has been in active operation since.

Dr. O'Connell reported that one of the outstanding speakers on professional pharmacy, Professor Anton Hogstadt, addressed the student body on "The Method of Conducting a Professional Pharmacy." During his stay in Pittsburgh a "Pharmacy Week" display was exhibited in the Jenkins Arcade. This was a cooperative venture of Merck and Co. and the College of Pharmacy, under the direction of Professor Hogstadt.

After many conferences between the officials of the Falk Clinic and Dr. C. Leonard O'Connell, it was decided that The College of Pharmacy would assume the operation of the pharmacy. Subsequently on December 1, 1931, The College of Pharmacy formally took over the management of the Pharmacy of the Clinic. A member of the staff functioned as chief pharmacist until June 30, 1955. Through this arrangement later followed by Central Pharmacy, the students have the opportunity of observing a hospital pharmacy.

SEMESTERS AND GRADING SYSTEMS

Prior to 1923, the curriculum required that a definite number of clock hours of instruction be given in the form of lectures, recitations, and laboratory exercises for each course given, the number of hours varying with each course, and beginning with the 1923 session all courses were recorded in terms of credits. With the innovation of the four-year course in 1930, leading to the B. S. in Pharmacy degree, Dr. C. Leonard O'Connell recommended to Dean Julius A. Koch that all courses be recorded in credits on a semester basis, giving in detail didactic and laboratory hours of instruction. This method was put into operation in 1931 and is still in use at the present time.

Starting with the 1930 session, courses in English and German were integrated into the pharmacy course and in 1934 college mathematics was added. These courses were taught by teachers from the College of Liberal Arts.

Dr. C. Leonard O'Connell announced that he was "invited to give the Founder's Day address at the Philadelphia College of Pharmacy on February 23, 1932." He subsequently reported that he gave this address and that the honorary degree of Master of Pharmacy (PH. M) was conferred upon him.

At a faculty meeting held March 3, 1932, Drs. O'Connell, Reif and Darbaker were appointed a committee to investigate the possibilities of having living drug plants displayed in the windows of drug stores in the Pittsburgh district during Pharmacy Week to be held October 9-15. This projected plan was realized with the cooperation of many pharmacists.

By action of the Board of Directors, Dr. C. Leonard O'Connell was made associate dean on July 1, 1930, and was elected to the deanship on June 7, 1932. At this meeting, Dean Julius A. Koch was made Dean Emeritus.

Following the change in curricular structure, the tuition was raised to \$300.00 a year in 1936.

The early years in the 1930's, following the depression, were difficult ones, characterized by a marked drop in the student body. However, beginning with the 1936 session, there was a decided increase in the number of entering students.

PHARMACY CONFERENCES

In the spring of 1937 Dean O'Connell inaugurated a series of pharmacy conferences which were held yearly through 1942, when they were discontinued because of World War II. Such programs were featured by the presentation of subject materials, pertinent to pharmacy, with each speaker eminently qualified to speak with authority upon the subjects assigned.

The first conference was held on May 12, 1937. The morning session was held at the College and the afternoon session at Falk



Dr. C. Leonard O'Connell, Dean 1932-1945.

Clinic. Following these two sessions the group attended a dinner at Webster Hall, after which an evening session was held in the new Mellon Institute. Following the evening lecture an opportunity was afforded the group to view the scientific exhibitions of the institute. Dean O'Connell presided at the morning and afternoon meetings and Dr. Beal at the evening session. The program was as follows:

- Research Methods in Pharmacology—James C. Munch, PH.D.
- Prescription Clinic—J. Leon Lascoff, PHAR.D.
- The Pharmacist's Role in Diabetes—J. West Mitchell, M.D.
- A Legislative Program for Pharmacy—Evert F. Kelly, PHAR.D.
- Glass and the Modern World—Alexander Silverman, SC.D.
- The Founding Fathers—John W. Oliver, PH.D.

Since Dr. Kelly was not able to attend, Dr. George D. Beal spoke in his place.

A second conference was held on May 16, 1938 at the College, Falk Clinic, Webster Hall and Mellon Institute. The program for this conference follows:

- Our Profession—Jerry McQuade, Editor, *Drug Topics*
- Vitamins—Charles Glen King, PH.D.
- Therapeutics and the Physician's Prescription—Walter A. Bastedo, M.D.
- Professional Pharmacy—Robert L. Swain, SC.D.

The third conference was held May 25, 1939, at which Ralph D. Clark, PH. D., spoke at the afternoon session on "Building Your Prescription Department."

At the meeting of the Board of Directors, held February 27, 1939, Dean O'Connell announced that he had received a letter from the Galen Pharmaceutical Society of Pittsburgh with a request that a committee would like to appear before our board "to discuss the painting of Dr. Koch and its presentation to the School" and that he had acknowledged receipt of the letter and had set the time for a meeting. The committee appeared before the board and after considerable discussion they requested that a committee of not less than five be appointed to co-operate with their committee to make suitable arrangements for a dinner, the time and place to be decided after consultation with Dr. Koch. A portrait of Dr. Koch was painted and was presented to the College on the occasion of a testimonial

banquet held the evening of May 25, 1939. The portrait, by Samuel Rosenberg, now hangs in the office of the School of Pharmacy.

The fourth conference was held May 1, 1940, with this program:

Our Recipe Book—J. Leon Lascoff, SC.D.

Notable Developments in a Pharmacopoeial Program—E. Fullerton Cook, P.D., PH.M., M.SC.

In the evening a testimonial dinner was given in honor of Dr. Louis Saalbach by the graduating class of 1940. This was given on the occasion of the retirement of Dr. Saalbach as Professor of Pharmacy after serving the institution in this capacity since 1906. In July 1940 he was made Emeritus Professor of Pharmacy.

The fifth conference was held on June 10, 1941. Dean O'Connell reported that the program for the fifth conference was under consideration and on June 9, he outlined the program to be held the next day. A meeting was held at the College in the afternoon and was followed by a reunion banquet the same evening at the Hotel Roosevelt, to which the members of the graduating class were invited as guests.

The sixth conference was held on May 21, 1942, at the College. Dr. Herbert E. Longenecker and Miss Irene McDermott spoke on "The Role of Nutrition in Civilian Defense" and Dr. Edward C. Reif discussed "War Gases and Civilian Defense." The banquet that year was held the same evening at Webster Hall.

SPECIAL ACTIVITIES

In 1937 Dr. George D. Beal reported to the Board of Directors that he had been approached in reference to bringing the annual American Pharmaceutical Association Convention to Pittsburgh, and he moved "that Dean O'Connell contact the Committee 'Time and Place' and extend to them an invitation that the American Pharmaceutical Association consider Pittsburgh as a place of meeting." However, Pittsburgh was not chosen as the Convention City.

Dean O'Connell announced the plans for a homecoming night, which was suggested by the officers of the pharmacy group of the General Alumni Association. This was held on Tuesday, December 14, 1937. At the next meeting of the Board of Directors, held January 4,

1938, Dean O'Connell reported that "The meeting was a success and that approximately two hundred persons attended."

An announcement from Secretary Evert F. Kelly, of the American Pharmaceutical Association, stated that "George Wilson has passed Government examination and is now stationed at Carlisle, Pennsylvania. He is a Second Lieutenant in the Medical Administrative Corps." Lt. Wilson (1926), decided to make the Army a career and is now (1958) Lieutenant Colonel Wilson.

In 1938, Mu Chapter of the Alpha Zeta Omega fraternity established a loan fund in memory of Bernard L. Cohen, Phar. '29. This fund is known as the "Bernard L. Cohen Memorial Fund" and is designed to assist worthy students.

Dean O'Connell announced the appointments of Dr. Julius A. Koch, Dr. Louis Saalbach, and himself as delegates to the 1940 Pharmacopoeial Convention, with Drs. Edward C. Reif, John H. Wurdack, and Leasure K. Darbaker as alternates.

A second homecoming night was held on November 30, 1939. An interesting program was presented which was attended by alumni and friends.

On April 8, 1940, a meeting of the Alumni was held at Falk Clinic, at which a number of interesting films were shown.

In 1941, the school participated in a Public Health display at the Buhl Planetarium, with the students of the Senior Class acting as guides.

WORLD WAR II

The bombing of Pearl Harbor on December 7, 1941, and the subsequent declaration of a state of war by President Franklin D. Roosevelt brought many changes in all walks of life. The educational pattern at The College of Pharmacy was thus naturally confronted with many problems and challenges. The University of Pittsburgh developed a Civilian Defense program. Under this plan each University building was under the supervision of a building warden. Dr. Edward C. Reif was in charge of The College of Pharmacy. A first aid demonstration was held January 15, 1942, under the auspices of the Pharmacy School with Dr. Reif in charge. At this meeting First Aid classes were organized and on June 8, 1942, Dr. Reif gave a report to members of the

Corporation on the First Aid courses given at the College. He indicated that forty-seven alumni completed the Standard First Aid course and that an advanced course would be offered to the alumni who have completed the Standard Course. The Standard Course was also given to Sophomore, Junior, and Senior students and certain of these were recommended to the American Red Cross for the Advanced and Instructor's courses.

Because of the war, on June 8, 1942, the Sophomore, Junior, and Senior classes went on an accelerated program. This program was inaugurated so that the students could graduate earlier and thus become registered to supply pharmacists for the armed forces as soon as possible. The accelerated program was discontinued after the completion of the summer session of 1945. Even with the operation of an accelerated program the majority of the students were called into the armed services.

Due to the extreme shortage of anti-malarial drugs needed by the armed forces, Dr. Stephen Wilson was appointed chairman of the Committee on a Quinine Pool in the Tri-State district. Dr. Wilson, with the assistance of the other members of the committee, consisting of Harry Watkins (1943), Leonard Edelson (1943), Lowman Gandet (1944), Robert Black (1944), Ralph McCue (1945), Andrew Guskea (1945), Evelyn Hartstein (1945), and Robert L. Stevens (1945), conducted a "quinine drive" in the Tri-State area, covering the territory from Youngstown, Ohio, to Altoona, Pennsylvania. All available quinine and quinine salts, as well as other cinchona alkaloids, were collected at, or delivered to, the College of Pharmacy. The entire supply was then sent to the American Pharmaceutical Association headquarters in Washington, D. C., from which it was distributed to the armed forces serving in the malaria-infected areas.

The Alumni Association of the University of Pittsburgh dedicated a service flag to all students, faculty, and alumni of the University serving in the armed forces. The dedication services were held in the Commons Room of the Cathedral of Learning on May 2, 1943, and a service flag was also dedicated on September 19, 1943, at Heinz Chapel in honor of the students and alumni of The College of Pharmacy who had entered various branches of the military service of the United States. The flag was donated by the class of 1943. At the dedi-

catory exercise the flag was presented by Clara[^]Adi Mehr (1943), and Pfc. Winfield Smith (1943), and received on behalf of the College by Dean C. Leonard O'Connell.

Every alumnus or student who went into the armed services and whose address was known was sent news letters by the College to give him or her encouragement and support and to keep him informed of the activities of his alma mater. Each letter had a message, the names and addresses of those in service and bits of news about classmates and friends. A typical message was the one sent November 11, 1944, which was a Christmas number. It read: "Wherever you are, may the spirit of Christmas and the New Year Season be with you. Though the outward symbols be absent this year, the inner glow must be in your hearts; also, the satisfaction that when this job is done you will return to your homes with a mind enriched by experience that cannot come in the ordinary course of peacetime activities." This message was signed by Chancellor John G. Bowman and by all members of the faculty of our school. News letters were mailed periodically until the end of the war.

Due to the extreme shortage of trained personnel in industry and a depleted student body, Dr. Clarence T. Van Meter accepted a position as Director of Research and Dr. David E. Levin a position in Industrial Research. Dr. Bernard F. Daubert also requested a leave of absence to work on a research problem for the Buhl Foundation.

In February 1943, The Pittsburgh College of Pharmacy admitted its first mid-year freshman class as part of the accelerated program.

At a meeting of the Board of Directors, Acting Dean Edward C. Reif reported that "We had entered a freshman class at the beginning of the spring semester in accordance with the unanimous decision reached at a conference of the deans of the four Pennsylvania schools of pharmacy and the Pennsylvania State Board of Pharmacy, together with representatives of the Department of Public Instruction at Harrisburg in accordance with the accelerated program of the University purely as a war measure. This action is in accord with recommendation contained in Paragraph II of a circular issued by the Department of Public Instruction of the Commonwealth of Pennsylvania under date of December 23, 1942, signed by Francis B. Haas, Superintendent."

SCHOLARSHIPS

A renewed interest on the part of the alumni was evidenced by the fact that Mr. Abraham R. Canter, in May 1943, established a \$25 yearly prize to be awarded to the student who achieves the highest standing in the department of pharmacy throughout the four-year course. Mr. Canter's idea was to create a keener competition among the students in the science and art of pharmacy.

Because of a depleted student body, due to the war, it was deemed necessary to acquaint well-qualified individuals with the opportunities in pharmacy. "Your Future in Pharmacy" and "Opportunities for High School Graduates" were, therefore, mailed to all graduating high-school students in the tri-state area. Personal letters were also sent to high-school principals to point out the opportunities in the field of pharmacy. As a result of this effort, an unusual number of women applied and many qualified for acceptance. This condition prevailed until October 1944 when we began to get as students, veterans of the war and also those who had been drafted and desired to complete their interrupted education.

At a pharmacy alumni homecoming held February 24, 1944, the feature of the evening was the presentation by Mr. Leo Karolewski, on behalf of the September class of 1943, of two \$100 War Bonds to start a pharmacy alumni loan fund.

The Dean reported to the Board of Directors that the American Foundation of Pharmaceutical Education had established two scholarships (1944) to the extent of two hundred dollars each in each recognized College of Pharmacy in the American Association of Colleges of Pharmacy, and that a check for four hundred dollars had been received.

The school, each year since, has received the same amount which has been administered according to the specifications as set up by the Foundation. As a result of this generous action on the part of the Foundation, many students have received the necessary financial assistance to aid them in obtaining their education.

The deep interest on the part of the school in pharmaceutical affairs generally is evidenced by the fact that at the 1944 annual meeting of the Pennsylvania Pharmaceutical Association The College of Pharmacy supplied two speakers: Dr. Edward P. Claus spoke on

"Pharmacy's Place in the Victory Garden," and Dr. Clarence T. Van Meter on "The Distribution of Vitamins by the Pharmacist."

In July 1944, Dr. Edward P. Claus requested a leave of absence to teach at the University of Puerto Rico. Dr. Claus felt that this would offer him valuable experience for future teaching.

The loss of faculty members to industry and other activities brought about a condition that required more teaching assistance, even though the total enrollment reported on July 11, 1944, was only forty-one, sixteen of whom were freshmen.

In this situation Acting Dean Reif received the wholehearted cooperation of the College, of the University, and of the Mellon Institution of Industrial Research who supplied teaching personnel. As a result of this arrangement such courses as organic chemistry, qualitative and quantitative analysis, and biology were added to those courses that were already being taught by the College of the University.

The committee on finance and faculty presented the following recommendations to the Board of Directors at a meeting held May 1, 1945:

First: The committee recommends that Dr. C. Leonard O'Connell be made Emeritus Dean to take effect at the end of the school year, May 31, 1945.

Second: That Dr. Edward C. Reif be elected Dean.

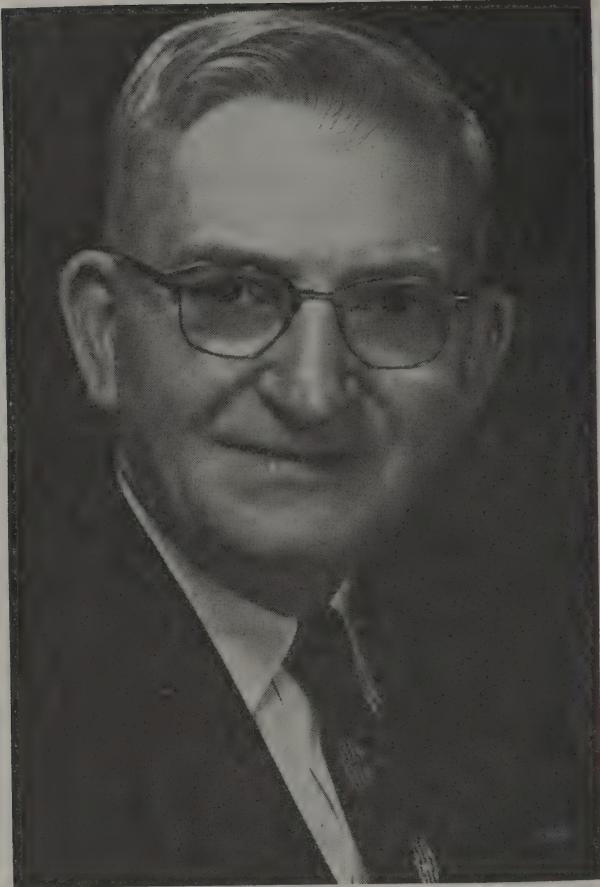
Third: That Dean Reif is hereby authorized to engage such new members of the faculty as may be deemed necessary.

Fourth: That Dr. Stephen Wilson and Dr. Frank S. McGinnis each be advanced in rank to Professor of Pharmacy.

Chairman Thompson moved the adoption of these recommendations, which were seconded and carried.

VETERANS

The first marked increase in the student enrollment occurred in September 1945, after the close of World War II. Fifty per cent of the entering class were veterans. Following this session, for approximately the next five years, all classes were filled to capacity. A large majority of the classes during this period were veterans who enrolled as freshmen or who had returned to school to complete their education.



Dr. Edward C. Reif, Dean 1945-1958.

In order to accommodate this number of students, a new laboratory was equipped, new apparatus was purchased, and a new signal system was installed, all the wiring was renovated, and many other facilities were improved to insure a sound educational program.

Dean Reif reported that at a meeting of the four deans of the schools of pharmacy of Pennsylvania and the members of the State Board of Pharmacy held in Harrisburg it was decided to admit a freshman class in February 1946, provided that this class be given the opportunity to complete both semesters of the Freshman course by September. This class was to be merged with the sophomore class in September 1946. It was understood that thereafter there would be no more than one freshman, sophomore, junior, or senior class.

With the increase in the number of teachers from the campus teaching courses to our students, Dean Edward C. Reif believed that a dinner meeting should be held so that these persons could become better acquainted with the members of the Pharmacy faculty. He subsequently gave a dinner at the faculty club which was attended by the teachers from both schools. This event gave the faculty and administration an opportunity to become better acquainted with each other and to discuss their mutual problems.

After a conference of Dean Reif with Miss Eleanor P. Kelly, regarding the immediate needs of The College of Pharmacy and the field of pharmacy, the George A. Kelly Co., through their president, Miss Eleanor P. Kelly, gave a gift in the amount of ten thousand dollars to the College to be used for graduate scholarships and designating that the gift be known as the "George A. Kelly (Sr.) Scholarship Fund." Another gift was received the next year, with the stipulation that it be used for the purchase of apparatus and books that would be needed for the education of graduate students. The College has been fortunate in receiving additional gifts from Miss Kelly on behalf of the George A. Kelly Co. These gifts have been of inestimable value in the promotion of courses of study at the graduate level, which have as the prime objective the training of teachers for the field of pharmacy.

Recognizing the need for assistance during the transition from a war to a peacetime program, the College received a contribution in the amount of \$250 from the Walgreen Drug Stores. The following is an excerpt from the letter received from the Company, which was

signed by Mr. A. L. Starshak, Vice President, "It is our desire to be of assistance to you at this time, when the transition from war to a peacetime educational program is apt to mean additional problems." A second gift was received from this company which was used to bind books and magazines, thus improving the library facilities.

When the decision was made to hold the American Pharmaceutical Association Convention in Pittsburgh, to meet in August 1946, Dr. Stephen Wilson was made local secretary and Drs. George D. Beal, Edward C. Reif, and Hugh Muldoon were appointed as the executive committee. All members of the staff actively participated in making the convention a huge success. Dean Reif reported that he entertained at the University in one day fourteen visitors from different parts of the United States. This meeting was one of the largest held, and Pittsburgh was given many compliments on her cordiality and the manner in which the visitors had been received and entertained.

Shortly hereafter, the Galen Pharmaceutical Society presented to The College of Pharmacy a bronze plaque as a memorial to honor students and alumni who made the supreme sacrifice for their country in World War II. They are: Perry Bowser, (1941), Elmer Deiss, (ex 1941), Robert Reitz, (ex 1942), William Slovick, (1932), and John D. Grobe, (ex 1943). This plaque, which hangs in the office of the Pharmacy School, is known as the Perry Frank Bowser Memorial Plaque. The dedication and unveiling services were held at the Stephen Collins Foster Memorial Hall, Tuesday evening, January 14, 1947. Miss Barbara Bowser, Perry's sister, unveiled the memorial at a sad but impressive service.

After a careful study, there was an apparent need in all the areas of pharmacy for more highly qualified individuals and with an increase in the number of applicants, the faculty felt that the entrance requirements for all new applicants should be raised. At a meeting held on April 27, 1946, they recommended that beginning with the fall semester of the 1947-48 session all applicants who were not in the two upper quintiles of their secondary school classes be required to take an entrance examination. This recommendation was subsequently approved by the Board of Directors on June 4, 1946. The adoption of this recommendation was one method used to raise standards at the school.

Up to this time it was the custom of many of the schools and colleges of pharmacy and of the undergraduate schools of the University to give grades in letters and quality points. However, in The Pittsburgh College of Pharmacy the grades were recorded numerically. Now the faculty of The College of Pharmacy, after deliberate study, recommended that this method be abolished and the following grading system be established for all classes, starting with the fall semester of the 1946-47 session. This recommendation was approved by the Board of Directors.

<u>Grades</u>	<u>Quality Points</u>	
A 90-100	3	Indicates superior attainment
B 80-90	2	Indicates attainment above the average
C 70-79	1	Liberal Arts Courses—indicates average attainment
D 60-69	0	Liberal Arts Courses—lowest passing grade
F	-1	Indicates failing
P		Indicates withdrawal
G (with accompanying letter symbol)		Indicates incomplete work
W (with accompanying letter symbol)		Indicates withdrawal from course

Quality Points:

Each credit of work carried is awarded quality points which are computed according to the following schedule: Each credit of A grade is multiplied by 3, B grade by 2, C grade by 1, D grade by 0, and F by -1 until removed by a passing grade.

Pharmacy Courses:

Freshman and Sophomore Years—a minimum of one (1) quality point must be attained in each course.

Junior Year—an average of 1.25 quality points must be attained.

Senior Year—an average of 1.5 quality points must be attained.

Non-Pharmacy Courses:

An average of one (1) quality point must be attained.

Requirements for Graduation:

The requirement for graduation is 137 credits with a quality point average of 1.0 for the Freshman and Sophomore years, a quality point average of 1.25 for the Junior Year and a quality point average of 1.5 for the Senior Year. The faculty reserves the right to ask any student to withdraw who does not maintain the quality point average for each year.

The institution of a quality point average was the second step forward in scholastic standards in a comparatively short time.

Miss Katharine K. Frisbie, who was appointed in 1941, was the first trained librarian to be employed for full-time work. Previously, the University had assisted us in getting our library catalogued. Miss Frisbie worked hard to place everything in good condition for use of the faculty and student body. She remained at the school until industry offered her a more lucrative position, when she was replaced by an acting librarian, Miss Nelda Reif. In 1947, Miss Jean Hutchman came to the school and officiated in the capacity of librarian until September 1951, when she was replaced by Miss Dorothy Nuttall, a graduate of Carnegie Institute of Technology and of the Carnegie Library School, and who was in charge until October 15, 1956.

In 1958 the library was integrated with the Medical, Dental and Nursing libraries under the competent direction of Carroll F. Reynolds, PH.D. The library is known as the Maurice and Laura Falk Library of the Health Professions and is located in the Health Professions Building.

In 1946 two student assistantships in hospital pharmacy were established, one at Falk Clinic and one at the Children's Hospital. The students were selected from applicants who had indicated a desire for training in this area.

In the same year, the Galen Pharmaceutical Society of Pittsburgh established an award in the amount of \$50, to be granted to a deserving student in the sophomore class.

Interest on the part of the College and its alumni to promote advancement in the several disciplines of pharmacy, either at the local or national level, is shown by the fact that as early as 1942 the hospital pharmacists organized the Western Pennsylvania Society of Hospital Pharmacists. The alumni of the College of Pharmacy who were elected as officers were Arthur W. Harvey, President, Randal W. Henderson, Vice President, and Frank Stencil, Treasurer. This group is very active and is a branch of the American Society of Hos-

pital Pharmacists which is affiliated with the American Pharmaceutical Association as a separate Section.

Hospital Pharmacy leading to an M. S. degree with a major in hospital pharmacy is now offered.

The College of Pharmacy is one of the institutions approved by the Veterans' Administration for the two year residency program.

The College was pleased to receive, on July 1, 1947, the sum of \$1,500 from the Borden Company Foundation for the establishment of an annual scholarship in the amount of \$300 each for five years. All senior students in The College of Pharmacy are eligible for the award. It is presented to "that eligible student who has achieved the highest average grade of all other similarly eligible students in all college work preceding their senior year." The recipients to date are as follows:

Edward S. Hudak (1948);	Carol Jean Grimm and Mary Louise
Stephen Kulik (1949);	Jacquart (1954);
William Gerdes and Shirley Sussman	William R. Armor and Jean A.
(1950);	Clouser (1955);
Fred Galysh (1951);	Doris J. Fleet (1956);
Raymond Dessy (1952);	Robert P. Halliday (1957);
Donald Paul Vrabec (1953);	James G. Pruckner and Glenda
	Massena (1958).

Additional contributions were made in 1951 and 1956, by the Borden Company Foundation in the amount of \$1,500 each to insure the granting of these awards for another period of years.

It is a pleasure to note that six of the recipients are currently engaged in or have completed their graduate work and a seventh will begin work at this level upon completion of his undergraduate course.

In order to conform more closely to the tuition and laboratory charges of the University, the Board of Directors decided to make a change in tuition and laboratory fees. The charges approved were \$10 per credit for each course taken and a charge of \$7.50 for each laboratory per semester.

PART FOUR

Integration With The Health Professions

INTEGRATION WITH THE HEALTH PROFESSIONS



INTEGRATION

Chairman John R. Thompson of the Board of Directors reported that an interview had been held with Chancellor John G. Bowman at which Mr. Robert R. Gaw and Acting Dean Edward C. Reif were present to determine whether the University would be interested in the College becoming an integral part of the University. During the interview, Chancellor Bowman said "that he thought the University would be interested." The Board of Directors instructed the committee to continue their negotiations. When Dr. Rufus H. Fitzgerald was elected Chancellor of the University, negotiations regarding a merger were resumed. Dean Reif reported that the committee had had a meeting with Chancellor Fitzgerald and that the Chancellor appointed a committee, consisting of Dr. John Weber, secretary of the Board of Trustees of the University, and Mr. G. Stanley Rupp, bursar, to work out a plan of merger. A plan was submitted to the members of the Corporation at a special meeting held on May 6, 1947, at which a majority of the members of the Corporation were present. Upon motion made, duly seconded and carried, the members then approved in principle the merger of the College of Pharmacy with the University of Pittsburgh and agreed to take final action on a plan of merger at their next stated meeting, which would be held on June 9, 1947.

At the regular meeting of the Corporation, held on June 9, 1947, at which a majority of the members were present, the plan of merger in its final form was presented by Dean Reif. Chairman Thompson then called upon Mr. Robert R. Gaw to present a resolution approving the plan of merger as read by the Dean. Mr. Gaw presented the following:

PROPOSED RESOLUTIONS APPROVING PLAN
OF MERGER BETWEEN THE PITTSBURGH COLLEGE
OF PHARMACY AND THE UNIVERSITY OF PITTSBURGH

On motion duly made and seconded, the following resolutions were adopted by an affirmative vote of more than a majority of the members of the College Corporation:

RESOLVED, that the plan of merger between The Pittsburgh College of Pharmacy and the University of Pittsburgh presented to the members of the College on June 9, 1947, is approved, and that the proper officers of the College are authorized to sign and acknowledge the plan on behalf of the College and certify its members' approval thereof: and

RESOLVED FURTHER, that upon the appropriate approval of the plan of merger by The University of Pittsburgh, the proper officers of the College are authorized and directed to make and execute jointly with the proper officers of the University of Pittsburgh, Articles of Merger for the two schools, pursuant to the appropriate act of assembly and to cause the same to be presented to the Court of Common Pleas of Allegheny County for approval, and are further authorized and directed to do any and all things required by law or deemed by them to be expedient to perform and carry out the Plan of Merger or to accomplish the merger and integration of the two institutions.

Mr. Gaw moved the adoption of the resolution. The motion was seconded by Mr. Edward C. Nied. The Chair then called for discussion. Mr. Gaw announced that the resolution and plan would be presented to the University Board of Trustees on Tuesday, June 10, 1947.

The plan of merger was subsequently approved by the Board of Trustees and the following formal announcement was made by the Board of Trustees of the University of Pittsburgh:

The Board of Trustees of the University of Pittsburgh
is pleased to announce that
through a merger effective January 26, 1948
The Pittsburgh College of Pharmacy
for many years an affiliate school
is now
The University of Pittsburgh School of Pharmacy

Previous to 1947 students had the idea that a student publication was desirable but because they did not have the money and, per-

haps, real hard workers the idea never crystallized. However, in June 1947, a group of students decided it could be done. A committee of the class made their plans known to Dean Edward C. Reif, seeking guidance and assistance. Subsequently, volume 1, number 1 of the "Pitt Capsule" appeared. Mr. David A. Westover was Editor and Mr. William Blockstein was Associate Editor, and the following students constituted the staff:

Eugene H. Davis, Patricia Gannon, Jean L. Giammatteo, John L. Harrington, Gloria Holmquist, Edward Hudak, George Little, Harold E. Malion, Clifford H. McPherson, Robert J. Montgomery, Robert J. Palchak, William E. Roberts, Mary Louise Shilen, Frances Shirley, Jeanne R. Smaldone, Edward Tillman, Lloyd M. Whitman.

This publication has been so favorably accepted that it now receives annual financial support from the administration. It has been published continuously since 1947, and on occasion has received favorable commendation at the national level.

In order that the students in the School of Pharmacy could have the opportunity to hold class, fraternity and American Pharmaceutical Association student branch meetings at stated times, an activities period was inaugurated as a part of their schedule. One hour each week is scheduled for this purpose and has proved very profitable. The American Pharmaceutical Association student branch, in addition to holding their regular business meetings, also arrange programs at which outstanding speakers from other fields are invited to appear and address the student body.

Because of the increased need for proper information to be available for applicants and to avoid misunderstandings as to the method to be followed in making application for admission, a detailed "Sheet of Instruction" was prepared by the faculty and registrar. This in turn was recommended to the Board of Directors for adoption and was approved by that body.

On January 20, 1948, Dr. Joseph A. Bianculli returned to The Pittsburgh College of Pharmacy as Assistant Professor of Pharmaceutical Chemistry.

In February 1948 the preliminary steps were taken to establish a chapter of Rho Chi Honorary Pharmaceutical Society at the School. The Alpha Omicron Chapter of this society was installed on November 21, 1950.

Early in May 1948, the parent body of the American Pharmaceutical Association held a ceremony in Washington, D. C., on the lawn of the American Institute of Pharmacy, at which a flagstaff was dedicated to the "Memory of All Pharmacists" who had served in the wars of our country. It serves as a constant reminder of Pharmacy's contribution to the armed conflicts in which our country took part. The School of Pharmacy was represented by Dean Edward C. Reif, and Dr. George D. Beal.

AMERICAN PHARMACEUTICAL ASSOCIATION CONVENTIONS

The 1946 Convention of the American Pharmaceutical Association and the American Association of Colleges of Pharmacy in Pittsburgh furnished the impetus for greater participation on the part of the faculty at the conventions held at Milwaukee in 1947. The next year, preliminary to going to San Francisco, Dr. Edward P. Claus and Dean Edward C. Reif attended the Plant Science Seminar, which was held at Seattle, Washington. At San Francisco they were joined by Dr. Stephen Wilson. The conventions in 1949 were held in Jacksonville, Florida, while school was still in session. Drs. Edward C. Reif, Stephen Wilson and Edward P. Claus, however, managed to attend those sessions in which they were participants.

In 1950 the American Pharmaceutical Association and the American Association of Colleges of Pharmacy held their meetings in May at Atlantic City, prior to the Pharmacopoeial Convention, which convened in Washington, D. C. Dean Edward C. Reif and Drs. Stephen Wilson, Edward P. Claus, and Robert W. Sager attended the convention of the American Pharmaceutical Association and the American Association of Colleges of Pharmacy that year. The delegates to the Pharmacopoeial Convention were Drs. Julius A. Koch, John H. Wurdack and Dean Edward C. Reif. Dr. Joseph A. Bianculli also attended this convention. Dr. Koch was recognized as the delegate who had attended six pharmacopoeial conventions, and also as the oldest living president of the American Pharmaceutical Association.

In 1951, the meetings were held in Buffalo, N. Y., with the following in attendance: Dean Edward C. Reif, Drs. Stephen Wil-

son, Edward P. Claus, and Mr. George B. Hook and Mr. Joseph D. McEvilla.

On the occasion of the centennial meeting of the American Pharmaceutical Association held in Philadelphia, Pa., in August, 1952, Drs. John H. Wurdack, Stephen Wilson, Edward P. Claus, Joseph A. Bianculli, Messrs. George B. Hook, Joseph D. McEvilla, James C. Newcomb, and Dean Edward C. Reif attended. At this meeting the faculty members were given the opportunity of presenting the sound slide recording of "Pharmacy at Pitt," on numerous occasions. The response was very favorable. At the convocation Dean Reif was delegated by the Association of American Colleges as their representative to present a scroll.

At the meeting of the American Association of Colleges of Pharmacy which was held during the same week, Dean Edward C. Reif was installed as President-Elect of this Association.

A Thanksgiving open house was held by the University on November 28, 1948, in the Cathedral of Learning. The staff and administration, alumni, and students of all schools of the University and members of the Board of Trustees assisted in showing the visitors the nationality rooms and the many other points of interest. Tea was served in the Commons Room.

Dr. George D. Beal, 1906, Professorial Lecturer in Pharmaceutical Chemistry, was elected President of the Council of the American Pharmaceutical Association in 1948.

Mu Chapter, Alpha Zeta Omega Fraternity, again made a fine gesture by establishing as an award a copy of Remington's "Practice of Pharmacy" to the student, male or female, who has attained the highest scholastic achievement in all courses covered in the freshman and sophomore years. This award has since been changed to a copy of the United States Dispensatory.

PHARMACEUTICAL SURVEY

The Pharmaceutical Survey was organized in 1946 by the American Council on Pharmaceutical Education. The American Council on Education conducted the survey with Dr. Edward C. Elliott as director. The funds were supplied by the American Foundation on Phar-

maceutical Education. The survey was completed in 1949. Upon publication of the "Findings and Recommendations" by the Council, the faculty of The College of Pharmacy undertook a thorough study of this report, relative to the pharmacy curriculum. This resulted in a revision of the curriculum to conform as nearly as possible to the recommendations.

One of the changes in curriculum was the establishment of alternate electives at the beginning of the Junior Year. This enables any student who desires to continue study at the graduate level to elect a certain course or courses in undergraduate work which will better prepare him for graduate study. The electives, however, must constitute a definite course sequence and be approved by the Dean and a major advisor of the departments concerned. This plan has since been modified.

One direct result of the Pharmaceutical Survey was the establishment of Seminars in the five areas of the pharmacy curriculum, to promote better teaching. These seminars, national in scope, are held under the auspices of the American Association of Colleges of Pharmacy and sponsored by the American Foundation on Pharmaceutical Education. The first Seminar was held in Pharmacy at the University of Wisconsin in June 1949. In June 1950, a Seminar on Pharmacy Administration was held at Ohio State University. Dr. Stephen Wilson was the representative of the College at both these Seminars. In 1951 Dean Edward C. Reif represented The College of Pharmacy at the Seminar in Pharmacology held at Purdue University. The Seminar in Pharmaceutical Chemistry, attended by Drs. John H. Wurdack and Joseph A. Bianculli, was held at the University of Michigan in 1952. The fifth Seminar was held at the University of Utah in August 1953. It was devoted to Pharmacognosy and Dr. Edward P. Claus and Dean Reif represented the School. These seminars are still being held yearly.

Dr. Stephen Wilson was made a member of the important curriculum committee of the American Association of Colleges of Pharmacy, which held its first meeting on January 21 and 22, 1949, at Chicago. He was subsequently made the chairman of this committee. Dr. Wilson called a meeting of the committee to meet at the University of Pittsburgh in May 1952. A meeting of this committee was also held in Pittsburgh in May 1953.

GRADUATE COURSES INAUGURATED

A committee of the faculty of The College of Pharmacy held several conferences with Dean Herbert E. Longenecker, of the Graduate School of the University of Pittsburgh, and the Graduate Council relative to the establishment of a program leading to the Master of Science degree in several areas of pharmacy. Courses of instruction at the graduate level in Pharmacy, Pharmacognosy, and Pharmacy Administration were approved and instituted with the fall semester of the 1950-51 session. Seven students enrolled for these courses. A program of work at this level was given during the summer of 1951 and 1952. The first Master of Science degrees, six in number, were granted at the February, June, and August 1952 commencements. In February 1952 the Graduate Council approved the plan of work leading to the degree of Doctor of Philosophy (PH.D.) with Pharmacy Administration as a major. In February 1953 the course leading to the Master of Science degree with a major in Pharmacology and the Doctor of Philosophy (PH.D.) degree in Pharmacy with a major in Pharmacy were approved.

About five years later, June 1958, the Doctor of Philosophy (PH.D.) degree with a major in Pharmacology was approved.

Due to the shortage of teaching personnel in Pharmacy Schools emphasis in the graduate program was placed upon the teacher training aspects.

Twenty-two students have since completed work at the graduate level and received the M. S. degree — six in Pharmacy Administration, seven in Pharmacy, two in Pharmacognosy and seven in Pharmacology. And in June 1955 two of the above received the Ph.D. degrees in Pharmacy Administration. At present twelve of these individuals are actively engaged in teaching in the field of pharmacy.

At the beginning of the fall semester of the 1949-50 session, Dr. Robert W. Sager was appointed Assistant Professor of Pharmacy. Dr. Sager came to us from the University of Washington, located at Seattle. In 1952, he was promoted to Associate Professor of Pharmacy.

Dr. Stephen Wilson was appointed Vice-Dean of the School of Pharmacy on December 12, 1949. Mu Chapter of Alpha Zeta Omega

Fraternity honored Dr. Wilson with a testimonial dinner in recognition of his appointment as Vice-Dean.

At a faculty meeting held on November 15, 1949, Dr. Edward P. Claus, chairman of the committee on Student-Faculty relations, presented a resolution that a Student Council be instituted. This was approved and the committee was charged with working out the details. A constitution was presented, which was approved, and the student council was placed on a probationary basis for one year. The student council subsequently became a recognized student organization. It has been in operation since then and has resulted in the amicable solution of many student problems.

On December 7, 1949, William Blockstein (1950), a student of the senior class, was initiated into the Gamma Circle of Omicron Delta Kappa Society. He thus became the first student in the School of Pharmacy to be recognized with this honor. Raymond E. Dessy, a senior student of the class of 1953, has likewise been honored.

Other students upon whom this membership was conferred are: Marvin Levick (1955), Nathan Watzman (1955), Robert P. Halliday (1957), and James Pruckner (1958). The late Dean Emeritus C. Leonard O'Connell (1912), Dean Emeritus Edward C. Reif (1906), Dean Stephen Wilson (1925) (Wayne University), Mr. Robert R. Gaw (1914), Dean Edward P. Claus (1929), (Ferris Institute), and Acting Dean Joseph A. Bianculli (1935), also are members of this Society. Omicron Delta Kappa is an honorary society which recognizes conspicuous attainments and service in collegiate activities.

A telephone system was established in the pharmacy laboratory as part of the course in dispensing pharmacy. This innovation began December 1949, and enables the student to receive prescriptions over the telephone to better acquaint him with a practice which is extensively used in pharmacies.

The School of Pharmacy was re-examined for continued accreditation by the American Council of Pharmaceutical Education in October 1949. The committee which conducted the examination consisted of Dr. Edward C. Elliott, Director of the Survey, Dr. Richard Deno, Director of Educational Relations of the Council, and Mr. Edward Ifft (1926), of the Pennsylvania State Board of Pharmacy. The School was subsequently approved for continued accreditation on February 1951 and was given a rating as a Class A School.

On November 7, 1949, Mu Chapter of Alpha Zeta Omega Fraternity presented the library with two books inscribed as a memorial to Nathan Meyers (1931).

AWARDS

Beta Kappa Chapter of Kappa Psi Fraternity gave \$200 to the School of Pharmacy to establish a memorial award, in memory of Alvin J. Vavro (1948). It consists of an award of \$25 to a sophomore student who meets the qualifications as designated by the fraternity.

In the summer of 1950 a four-week Seminar was held at Johnstown, Pennsylvania, at the request of the Cambria-Somerset Pharmaceutical Association. Drs. John H. Wurdack, Edward P. Claus, Joseph A. Bianculli, and Robert W. Sager conducted the Seminar, which was well attended.

Beginning in September 1948 all foundational and cultural courses in the pharmacy curriculum are being given on the main campus. In order that these students could more readily consult with the Dean, an office was provided for him in September 1950 in Room 2501 of the Cathedral of Learning. This proved to be a very satisfactory arrangement. The dean's office now is in the Health Professions Building.

Open House for the alumni and friends of the School, held on the evening of February 21, 1951, was featured by a lecture on blood typing, stressing the Rh factor. The lecture was given by Dr. John W. Henthorne, who was then Pathologist and Medical Director of St. John's General Hospital. He also gave interesting demonstrations by typing a number of those present. All apparatus in the newly equipped research laboratory was demonstrated. Following the program refreshments were served.

In October 1951, a yearly scholarship in the amount of \$50 was given by Theodore W. Primas (1948). The scholarship was given to a deserving student of the School of Pharmacy.

A scholarship was given by Hyland E. Gefsky (1924), in memory of Samuel E. Levy in the amount of \$50, to a deserving student of the School of Pharmacy selected by a committee of the faculty.

Merck & Co., Inc., too, established an award. It is made annually to two honor students of the graduating class. The award consists of

one copy each of "The Merck Index," "The Merck Manual," and Rosin's "Reagent Chemicals and Standards."

To meet the ever rising cost of education it was found necessary to increase tuition rates to \$420 per year, which was put into effect with the fall semester of the 1951-52 session.

In the fall of 1951, Dean Edward C. Reif was invited by Lucien A. Gregg, M.D., Professor of Medicine and Head of the Department, with the approval of William S. McEllroy, M.D., Dean of the School of Medicine, to assist Wendell B. Gordon, M.D., Assistant Professor of Medicine, to teach a section of course material in Therapeutics. A program of lectures was outlined, in which Drs. Robert W. Sager and Edward P. Claus also took part. In September 1952, Dean Reif was appointed a lecturer in Therapeutics on the Medical faculty. During this year Drs. Edward P. Claus, Robert W. Sager, and Joseph P. Buckley also participated in this program.

From time to time the administration of the School of Pharmacy had made efforts to explain to the graduates of the two and three-year courses the course content of the four-year curriculum. An original idea in the nature of a Kodachrome slide film recording was presented by Dr. Robert W. Sager. This was successfully completed under his direction and with the assistance of the members of the staff. The script was written by Dr. Joseph A. Bianculli and narrated by Dr. Sager, the photography was the work of Mr. Paul J. Wurdack and the artistic touch was added by Mrs. Joan Newcomb, wife of James C. Newcomb.

This was first shown to the alumni at the Open House held February 28, 1952, at the college. "Pharmacy at Pitt" received such an ovation that it was shown at a Chancellor's meeting of the Deans and also at the annual dinner meeting of the Board of Trustees and the administrative officers of the University of Pittsburgh. It has since been shown to service clubs, Parent-Teacher's Associations, high schools, and professional groups.

A student loan fund in memory of Emanuel Spector was established by the late Mr. Fred Schiller of the Class of 1902, to assist deserving junior and senior students of the School of Pharmacy. Mr. Schiller was a member of the College Corporation and also an active member of the Board of Directors until the merger with the University in 1948.

The faculty, at a meeting held March 20, 1952, was apprised of the action of the Women's Auxiliary of the American Pharmaceutical Association in recognizing the professional achievements of a senior woman student in each pharmacy school by presentation of a certificate and one year's dues to the American Pharmaceutical Association. In view of her accomplishments, Miss Agnes Jo Tock, (1952), was selected as the awardee.

The Women of Galen Scholarship Award, in the amount of \$150, was established by the Women of Galen in 1952. The purpose of this worthy project is to assist deserving students of the junior or senior year. This is an annual award.

For the past several years the McKesson & Robbins Co., Inc., has been a genial host at a luncheon given to the students of the graduating class. Following the luncheon the students are given the opportunity to observe the operations of a wholesale drug house.

DIAMOND JUBILEE

On September 7, 1952 an article written by Betty Jo Daniels, a special press writer, appeared in the Family Magazine Section of the *Pittsburgh Press* under the caption, "Twentieth Century Pill Rollers." This was the very first article to appear in connection with the Diamond Jubilee program of the School of Pharmacy. Miss Daniels did an excellent job of presenting the present day curriculum which the student pursues in the University of Pittsburgh School of Pharmacy.

The next article to appear was one written by Dean Edward C. Reif, entitled "Events Which Led to the Founding of The Pittsburgh College of Pharmacy." Dean Reif gave a short resume of the very early days of pharmacy in western Pennsylvania. This article was published in *PITT* in the winter of 1952-1953 issue.

The events which were held during the Diamond Jubilee Year of 1953 were well planned. Dr. George D. Beal who was general chairman called his committees together in 1952.

The first event held October 28, 1952 was in the nature of an "Open House" devised primarily for the parents of the student body. Many parents, among whom were many alumni, attended this affair at which time the new apparatus which had been recently installed to aid in teaching (a vu-graph) was demonstrated. Refreshments

followed a short program and an opportunity was afforded the parents to meet not only all members of the faculty but to discuss with them any problems in which they were interested.

WORKSHOPS AND SEMINARS

November 17, 1952, the first of a series of seminar workshops was held. All pharmacists of the tri-state area were invited. The program began with a consideration of the newer type of ointment bases. Dr. Joseph P. Buckley, Assistant Professor of Pharmacology, opened the discussion seminar with a pharmacological consideration involved in the newer water absorbing, water washable, and water soluble ointment bases. Dr. Joseph A. Bianculli, Associate Professor of Pharmaceutical Chemistry, discussed the chemistry of the newer bases and Dr. Robert W. Sager, Associate Professor of Pharmacy spoke on the pharmaceutical aspect of these bases.

Messrs. William L. Blockstein, James C. Newcomb, and Paul J. Wurdack in the meantime gave classroom demonstrations on the extemporaneous preparation of some of the newer ointments incorporating the use of such products as the carbowaxes and the tweens. One striking feature of the program was the opportunity, provided to those in attendance, to enter a laboratory and actually prepare ointments using the products under consideration.

The problems presented were a consideration of the water absorbing properties for three commercial bases, two official bases, and one extemporaneous product made with the carbowaxes and tweens; second, the water washing properties; and, third, the ability of these bases to take up troublesome ingredients used in dermatological practice.

The workshop portion was conducted on a highly individual and an extremely informal level, and provided adequate time and discussion for every member participating in the workshop.

Registration was purposely held to twenty-five as a larger group would not have been compatible with this type of program. There was sufficient interest in this workshop that it was re-scheduled for January 14 and this period was also well attended. The pharmacists who came were pleased with the opportunity afforded them.

Not only was an opportunity accorded the alumni but the Pharmacy School also had in mind its future students.

It was, therefore, decided to have a display at Buhl Planetarium and Institute of Popular Science to be known as "Pharmacy Career Week" at which a description of the education, opportunities and responsibilities of the modern pharmacist were presented for high school students. This program was sponsored by the Pharmacy Alumni Association in collaboration with the University of Pittsburgh School of Pharmacy and leading drug manufacturers.

In accordance with the policy of the Planetarium 2100 schools in this area were notified of the pharmacy exhibit.

This project was also brought to the attention of the public by radio, newspaper and television. A radio program on Tuesday, March 3, featured Dr. Stephen Wilson, vice-dean, and several students; and another on Tuesday, March 10, featured Dean Edward C. Reif, Elder Stein, president of the Pharmacy Unit of the Alumni Association, and Raymond Dessy, then a senior student in the School of Pharmacy. A television program on Wednesday, March 10, "Pitt Parade," featured both faculty and students.

The exhibit included demonstrations by the students, exhibits from leading pharmaceutical manufacturers, and a showing at regular intervals of the school's color slide sound recording, "Pharmacy at Pitt."

The School of Pharmacy not only had an exhibit at the Planetarium but on March 4, 1953 participated in the University's program for career interests of high school students. Students attended from all parts of the county and Mr. William Blockstein acquainted those in attendance and interested in pharmacy with the many phases of student life in the University of Pittsburgh School of Pharmacy.

The *Pennsylvania Pharmacist*, March 1953, vol. XXXIV, no. 8, aided in our plans by publishing an article on the school with some pictures of students, Ruth Rapalis, Terry Lemmon, Gabriella Roba, and Margaret Sherwood operating old style pharmaceutical balances, mortar and pestle and an old fashioned copper extracting apparatus. Dr. Stephen Wilson assisted with all of these operations even though such apparatus is passe. On the cover of this same issue was the picture of Dean Edward C. Reif posing beside the portrait of the first dean, Dr. Julius A. Koch.

Three other events were held in the spring of 1953. On March 25 an Alumni Seminar was held in Stephen Foster Memorial. The program was "Meeting Supermarket Competition" by Lyle J. Purcell, Director of the Marketing and Research Departments of Batten, Barton, Durstein and Osborn; "Current Trends in Pharmacy" by David B. Styles, Director of Market Development, Abbott Laboratories; and "Public and Professional Relations" by John Troan, Medical Editor of the *Pittsburgh Press*.

Each speaker was outstanding in his field and the many who attended were apprised of the many happenings in modern pharmacy. A social event and lunch was held after the formal presentation of the program.

Another feature of the Jubilee was an Alumni Open House which was held Wednesday and Thursday evenings, April 15 and 16. A new sound movie entitled "Old Doc" was shown. The late Dr. John H. Wurdack portrayed the role of "Old Doc." The script was written by Dr. Robert W. Sager and Dr. Joseph A. Bianculli directed it. Mr. Paul Wurdack took the pictures and Mrs. James Newcomb did the art work. Another part of the program was in charge of the Department of Pharmacy Administration. Scaled models of drug store equipment were displayed for the purpose of showing store layout. Student teams put on demonstrations and attempted to solve individual problems of layout. In another room a sound film strip on departmentalization was shown. Laboratories, the library and offices were open for inspection. A social hour was the climax of this worthwhile event. Mr. Elder H. Stein was the chairman in charge of the Alumni affairs.

On May 18, the Alumni held a Seminar in Stephen Foster Memorial with Elder H. Stein (1931) presiding. There were two outstanding speakers, Dr. James D. Gallagher, Associate Director, Clinical Research, Lederle Laboratories and Dr. E. J. Carroll, Director of Economic Research, Sharp and Dohme. Dr. Gallagher spoke on "Supporting the Professional Triangle" and Dr. Carroll on "This Business of Pharmacy." Both addresses were highly educational and were well received by all present. Refreshments were served by the Alumnae.

The climax to the year's activities was an all-pharmacy banquet

SCHOOL OF PHARMACY
UNIVERSITY OF PITTSBURGH

Annual Alumni Dinner

AND

Diamond Jubilee Celebration

CRYSTAL BALLROOM
HOTEL SCHENLEY

Tuesday Evening, June Ninth
Nineteen Hundred and Fifty-three
Six-thirty o'clock, Eastern Daylight Savings Time

Diamond Jubilee Events

1952

October 28

OPEN HOUSE FOR PARENTS

School of Pharmacy

November 17

WORKSHOP ON OINTMENT BASES

School of Pharmacy

1953

January 14

WORKSHOP ON OINTMENT BASES

School of Pharmacy

March 1-15

PHARMACY CAREER DISPLAY AND DEMONSTRATION

Buhl Planetarium

March 25

ALUMNI SEMINAR

Stephen Foster Memorial

April 15 and 16

ALUMNI OPEN HOUSE

School of Pharmacy

May 18

ALUMNI SEMINAR

Stephen Foster Memorial

June 9

FIFTY-YEAR CLUB LUNCHEON

Schenley Hotel

June 9

ANNUAL ALUMNI DINNER AND DIAMOND JUBILEE CELEBRATION

Schenley Hotel

June 10

COMMENCEMENT

Cathedral of Learning Lawn

June 10

SILVER ANNIVERSARY REUNION DINNER—CLASS OF 1928

Schenley Hotel

Menu

FRESH FRUIT COCKTAIL

CELERY

OLIVES

ROAST STUFFED TURKEY

PARISIENNE POTATOES BROWNE

SUCCOTASH IN BUTTER

CHEF'S SALAD

FRENCH DRESSING

DINNER ROLLS

FROZEN DUTCH PUDDING

COFFEE

Program

INVOCATION	Father Edmund Wiethorn, Pharmacy '21
PRESIDING	Dr. George D. Beal, Pharmacy '06 Director of Research, Mellon Institute General Chairman, Diamond Jubilee
TOASTMASTER	Mr. Edward C. Nied, Pharmacy '17 Past President, General Alumni Association
WELCOME	Mr. Elder H. Stein, Pharmacy '31 President, Pharmacy Alumni Association
INTRODUCTION OF GUESTS	Mr. Edward C. Nied
ADDRESS: <i>Education: Pharmacy's Diamond</i>	Dr. Melvin W. Green, Pharmacy '31 Director of Educational Relations American Council on Pharmaceutical Education
ADDRESS: <i>Halfway from Home</i>	Mr. John A. MacCartney, Pharmacy '28 Manager of Trade Relations Department Parke, Davis and Company
ALMA MATER	Mr. William J. Kinnard, Pharmacy '53 President, Senior Class
PRESENTATION OF AWARDS	Dr. Edward C. Reif, Pharmacy '06 Dean, School of Pharmacy
BENEDICTION	The Reverend Robert B. Withers, Pharmacy '16
REPORT OF NOMINATING COMMITTEE AND ELECTION OF OFFICERS	
ANNUAL ROLL CALL OF PAST GRADUATING CLASSES	
DANCING: FOR ALUMNI AND GUESTS	

Officers of Pharmacy Alumni Association

Elder H. Stein '31	President
Joseph A. Beyer '49	First Vice-President
James Dickson '24	Second Vice-President
Edward P. Claus '29	Secretary
John H. Wurdack '09	Treasurer

ALUMNI COUNCIL OFFICERS

Elder H. Stein '31		
Edward C. Ifft '26	Stephen Wilson '25, <i>Member at Large</i>	John H. Phillips '00
	Edward C. Nied '17— <i>Past President</i> , General Alumni Association	

COMMITTEES FOR ALUMNI REUNION

Edward P. Claus '29, *General Chairman*

RECEPTION COMMITTEE

A. Orville Grimm '29, *Chairman*

Ernest K. Hoge, Scio '91	Abraham Litman '18	Paul C. Robinson, Jr. '43
Frederick J. Blumenschein '02	Earl E. Speicher '23	David A. Westover '48
Jesse F. Ullom '03	Robert W. Taylor '28	Lois L. LeGoullon '51
David B. Young '08	James C. Walton '33	A. Josephine Tock '52
George L. McMillin '13	Thomas R. Kim '38	William Kinnard '53

TICKET COMMITTEE

Edward P. Claus '29, *Chairman*

Aida Baver '52	Autumn E. Colby '44	Charles C. Nealis '32
Merwin C. Bees '32	Freeman P. Deist '43	David Perelman '41
I. A. Bianculli '39	Maurice H. Finkelppearl '19	Thomas W. Storer '26
Harry J. Bonchosky '40	William D. Grady '30	Shirley D. Sussman '51
John R. Burrows '28	Dorothy Sarandria Kelly '49	John M. Wyble '14

NOMINATING COMMITTEE

Edward C. Ifft '26, *Chairman*

John H. Phillips '00	Michael M. Donohue '23
William F. Heidenreich '21	James L. Strader '26

PROGRAM COMMITTEE

Joseph D. McEvilla '49, *Chairman*

William L. Blockstein '50	Francis Pray, <i>ex-officio</i>
Robert R. Gaw '14	Public Relations Counselor
William F. Heidenreich '21	Edward C. Reif '06
Dorothy Nuttall, <i>Secretary</i>	Stephen Wilson '25
John H. Wurdack '09	

Diamond Jubilee Committees

Chairman: George D. Beal '06

Honorary Chairman: Julius A. Koch '84

Honorary Chairman: C. Leonard O'Connell '12

Vice-Chairman: Stephen Wilson '25

EXECUTIVE COMMITTEE

Thomas L. Algeo '18
Edward P. Claus '29
Robert R. Gaw '14
William F. Heidenreich '21
Max Helfand '38
Allen M. Hoffman '53

Joseph D. McEvilla '49
Edward C. Nied '17
Harry Ostrow '29
Edward C. Reif '06
Chauncey E. Rickard '24
Fred Schiller '02

Gizella Bodnar Segin '29
Elder H. Stein '31
Louis Weiner '20
Stephen Wilson '25
John H. Wurdack '09
Francis Pray, *ex-officio*

FACULTY ACTIVITIES COMMITTEE

John H. Wurdack '09, *Chairman*

Joseph A. Bianculli '35
William L. Blockstein '50
Joseph P. Buckley, Univ. of Conn. '49
Jeanne S. Cappelli '48
Edward P. Claus '29
August G. Danti '50

Rose Goldfield '49
George B. Hook '49
Edward S. Hudak '49
Richard H. Mattern '28
Joseph D. McEvilla '49
James C. Newcomb '50

Edward C. Reif '06
Ethel C. Richards, Univ. of Colo. '51
Robert W. Sager, Univ. of Wash. '44
Clarence K. Williamson, Univ. of Pa.
Stephen Wilson '25
Paul J. Wurdack '49

FINANCE COMMITTEE

William F. Heidenreich '21, *Chairman*

Louis Weiner '20, *Vice-Chairman*

Thomas L. Algeo '18
Samuel I. Caplan '25
Robert R. Gaw '14
Hyland L. Gefsky '24
Homer M. Halboth '26

Reuben Helfant '23
Philip Hoffman '18
John W. Kaszer '18
Lester R. Martin '19
John S. McAleer '36
William L. Pullen '24

Fred Schiller '02
James C. Sims '08
Robert W. Taylor '28
George O. Yohe '14
David B. Young '08

PUBLICITY COMMITTEE

Chauncey Rickard '24, *Chairman*

William L. Blockstein '50
Dennis W. Karlheim '53
Marion Mallinger '54
Dorothy Nuttall, *Secretary*

Ronald Peters '53
Francis Pray, *ex-officio*
William H. Whitman '25
Mrs. Jane Shaw, *ex-officio*, University News Service

PROMOTIONAL FRATERNITY COMMITTEE

Harry Ostrow '29, *Chairman*
Alpha Zeta Omega

Jeanne S. Cappelli '48, Lambda Kappa Sigma Graduate
Raymond E. Dessy '53, Phi Delta Chi
Elmer Grimm '19, Phi Delta Chi Graduate

Ray L. Jackson '53, Kappa Psi
Abraham Litman '18, Galen Pharmaceutical Soci
Joseph F. Palchak '24, Kappa Psi Graduate

Margaret F. Sherwood '53, Lambda Kappa Sigma

HOSPITAL PHARMACISTS' COMMITTEE

Max Helfand '38, *Chairman*

Josephine S. Certo '44	Dorothy V. Monyak '44
Richard H. Mattern '28	Robert Zipf '51

STUDENT ACTIVITIES COMMITTEE

Allen M. Hoffman '53, *Chairman*

Robert M. Averbach '56	William J. Kinnard '53
Charles A. Evans '56	Robert F. McGuire '54
Edward D. Gilmore '54	Edward Poole '55
C. Jean Grimm '55	Robert L. Williams '53

ALUMNAE COMMITTEE

Gizella Bodnar Segin '29, *Chairman*

Helen E. Nied '20	Theresa Wajert Wurdack '49
Palestine Pope Zellars' 47	Clara C. Turano '44
Louise Tischler Stein '43	

ALUMNI COMMITTEE

Elder H. Stein '31, *Chairman*

Julius A. Koch '84	John C. Wajert '10	Oscar I. Roth '30
George W. Kutscher '90	Gustave Hirsh '11	Charles E. Blackburn '31
Ernest K. Hoge, Scio '91	Herman J. Brandl '12	Charles C. Nealis '32
Edward H. McKee '94	George L. McMillin '13	James C. Walton '33
Louis Saalbach '95	John M. Wyble '14	Thomas Schratz '33
Randal W. Henderson '96	Elmer B. Deiss '15	Louis J. Lendl '35
George O. Young, Scio '96	Julian F. Nickum '16	Norman J. Ilkuvitz '36
Charles C. Campbell '97	William J. Datz '17	Victor H. Shepherd '37
John H. Phillips '00	Abraham Litman '18	Thomas R. Kim '38
Edward F. Waldschmidt '01	Maurice H. Finkelppearl '19	Rudolph L. Yanda '39
Frederick J. Blumenschein '02	Louis Weiner '20	Frank P. Rice '40
Jesse F. Ullom '03	William F. Heidenreich '21	David Perelman '41
Eugene M. Camp '04	Frederick H. Woods '22	Nicholas A. Toronto '42
D. Wilson Sole, Scio '04	Earl E. Speicher '23	Paul C. Robinson, Jr., Feb. '43
C. Roy Hetzel '05	James Dickson '24	Leo Karolewski, Sept. '43
Francis M. Dent '05	Eugene A. Gardill '25	Virgil Bianculli, May '44
Owen R. Morgan '06	Edward C. Ifft '26	Fern Alice Heidt Kelly, May '45
Charles E. Dusenberry '07	Thomas H. Baynham '27	Richard S. Canter, Jan. '47
Ralph C. Benedum, Scio '07	Robert W. Taylor '28	David A. Westover, Jan. '48
David B. Young '08	John R. Burrows '28	William L. Blockstein '50
John S. Rutledge, Scio '08	Allen O. Grimm '29	Lois L. LeGoullon '51
Isidore Spann '09	William D. Grady '30	Wilber D. Lyle '52



JULIUS A. KOCH, *Dean Emeritus*
Dean, 1891—1932



C. LEONARD O'CONNELL, *Dean Emeritus*
Dean, 1932—1945



EDWARD C. REIF, *Dean*
Dean, 1945—1958



JOSEPH A. BIANCULLI
Acting Dean, 1958—

at the Alumni Dinner of the School which was held at the Hotel Schenley on Tuesday evening, June 9, 1953. The two speakers of the evening, as well as the toastmaster, presiding officer, ministers pronouncing the invocation and benediction, were all graduates of the School of Pharmacy. (see Appendix Q, page 296)

Three hundred alumni, graduating seniors, and friends of the School of Pharmacy gathered to mark this milestone in a history already marked by many contributions to pharmaceutical education.

Under the chairmanship of Dr. Edward P. Claus (1929), the dinner proved to be a gala affair.

Following the main addresses of the evening President William J. Kinnard, of the graduating class, presented the class gift to the School of Pharmacy. A gift has been an annual feature of these dinners, but this year it took a surprising twist. The members of the class of 1953 decided to honor those two faculty members who had contributed the most to their undergraduate education. The honor, a portrait in oils, is to be the start of a "Hall of Fame" at the School of Pharmacy. The men chosen for the first year's presentation were Dean Edward C. Reif, (1906), and the late Dr. John H. Wurdack, (1909).

While most of these affairs were participated in by the Alumni, the students too were busy with projects of their own.

In the spring of 1953 Alpha Omicron Chapter of the Rho Chi Society of the University of Pittsburgh School of Pharmacy installed a display commemorating 75 years of service to pharmaceutical education in the Farmers Bank Building in Pittsburgh, Pennsylvania.

This display was conceived in its entirety by the student members of the chapter, but was built and installed with student, faculty and alumni cooperation.

Rho Chi's display contrasted the pharmacy of 75 years ago with pharmacy as it is practiced today. The exhibit featured antique drug jars from the collection of Louis W. Yagle (1925), prominent Pittsburgh pharmacist and an alumnus of the school. Shown with Mr. Yagle's drug jars were the newest in balances and weights; dosage forms; and special containers.

Contrasting the old and the new in microscopy was an early microscope of 1847 and the newest model. The exhibit aroused much favorable comment from the public.

STUDENT ACTIVITIES

The students also held a Recognition Day to honor those men and women showing outstanding characteristics in scholastic and extra-curricular activities. Allen Hoffman, president of the Student Branch of the American Pharmaceutical Association, presided and also reported on his activities at a recent meeting of Districts 1 and 2 Conferences. Such conferences are designed to give the students of pharmacy located within these areas a chance to meet and discuss problems of vital interest to the undergraduate pharmacist, and to propose various resolutions to be presented to the parent organization, the American Pharmaceutical Association.

The Alpha Zeta Omega Award, granted yearly to that Sophomore student having attained the highest scholastic achievement in all courses covered in the freshman and sophomore years, was presented to Donald Vrabec. Mr. Vrabec also received the Kappa Psi, Alvin J. Vavro Memorial Award granted to the student who exhibits leadership and a devotion to the ideals of pharmacy.

Keys were also presented to the graduating members of the Pitt Capsule staff, who had shown outstanding interest in their Branch publication. They were Raymond Dessy and Bill Karlheim, Co-Editors; Ray Jackson, business manager; Margaret Sherwood, circulation manager; and Joseph Warren, William Heskett, Edward Garber, Sarah Lemmon, Paul Gianetto and William Moore, feature writers.

Honor was given to those men who had been recognized by campus organizations during the past year: Robert McGuire for his selection as Junior Worthy; Edward Poole for his election to Druids; and Raymond Dessy for his place in the Hall of Fame. There were also three newly tapped members of Pi Delta Epsilon, honorary journalism fraternity, namely Bill Karlheim, Ray Jackson, and Raymond Dessy.

This story would not be complete if we did not mention that Raymond Dessy who graduated June 10, 1953 ranked first in his class and had an A in every subject he had taken during his four years at the School of Pharmacy. It goes without saying he was granted the James H. Beal Scholarship award for attaining the highest general average in all branches. He also won the Bristol Award for high scholastic standing and extracurricular activities; the Canter Prize of \$25.00 for the senior attaining the highest standing in pharmacy; and

the Lehn and Fink Medal award for attaining the highest standing in professional subjects and in recognition of special work toward the betterment of the profession.

Mr. Dessy was the first student in pharmacy (1953) to receive the Emma W. Locke Memorial Award.

In June 1957 Robert P. Halliday was also chosen to receive the Locke award.

At the commencement exercises held in August 1953, William L. Blockstein, B.S. (1950) received his M.S. degree with a major in Public Relations as it pertains to pharmacy.

For the first time in the history of the University of Pittsburgh School of Pharmacy eleven students graduated especially trained in the science of medical service representation. This course was conducted by the Department of Pharmacy Administration, with the cooperation of several pharmaceutical manufacturers and wholesalers. Under the late Mr. George B. Hook, Instructor in Pharmacy Administration, these students met for their course three (3) hours a week for a semester; and as part of their training program presented demonstrations in equipment and layout during the annual Open House celebration of the School of Pharmacy.

Other highlights in the course were lectures presented by the district managers of Parke, Davis and Co.; Eli Lilly and Company; Sharp and Dohme, Inc.; Merck and Co., Inc.; McKesson and Robbins, Inc.; and Johnson and Johnson. Audio-visual aids used by the department were supplemented with other aids by Ames Chemical; Johnson and Johnson; E. R. Squibb and Co.; and McKesson and Robbins, Inc.

Aside from the Jubilee activities both students and faculty were very busy in many other ways.

The members of the senior class made a trip to Parke, Davis and Co. on April 24, 1953. They were accompanied by the late Dr. John H. Wurdack, head of the Department of Chemistry, Mrs. J. H. Wurdack and Miss Dorothy Nuttall, librarian.

The students, faculty and guests under personal supervision of members of the staff and qualified guides were able to observe the manufacture, standardization and methods of world-wide distribution of pharmaceutical products on a large scale. They also were given the opportunity to observe the many angles of research involved in the investigation of medicinal products from the time of the preliminary

survey until these products are ready for use by physicians in the treatment and prevention of disease.

A similar trip was made to Eli Lilly and Co., Indianapolis, Indiana, on November 2, 3, 1953. Dr. Stephen Wilson, Vice-Dean, and Miss Grace E. Gibson, Registrar, accompanied the members of this class.

Dean Reif as president-elect of the American Association of Colleges of Pharmacy attended District No. 6 meeting in St. Louis, Missouri, and District No. 5 meeting in Lincoln, Nebraska. Dean Reif was installed as president of the American Association of Colleges of Pharmacy at the annual meeting held in Salt Lake City, Utah in August 1953. (see Appendix R, page 302)

Dr. Edward P. Claus, Professor and head of the Department of Pharmacognosy, and Dr. Joseph P. Buckley, Assistant Professor of Pharmacology, participated in a panel discussion "The Biological Sciences in the Pharmacy Curriculum" at the 24th annual joint meeting of District No. 2 of the American Association of Colleges of Pharmacy and the National Association of Boards of Pharmacy held in Albany, New York on March 1-3, 1953.

Dr. Claus was also very active as a member of the American Association of Colleges of Pharmacy committee on 1953 Teacher's Seminar on Pharmacognosy and Related Subjects. He attended a meeting of this committee in March and the seminar was held in conjunction with the Plant Science Seminar from August 10 to 14, 1953 at Salt Lake City, Utah.

Dean Reif and Dr. Claus were the guests of Jane Ellen Ball on Radio Station WJAS on June 5, 1953 at which time they discussed the medicinal plant garden of the University of Pittsburgh School of Pharmacy.

On June 1, 1953, Dean Reif appeared on television on WDTV. He discussed the formula and ingredients for the holy oil that formerly was used in the coronation ceremonies of the crowned heads of England.

The late Dr. John H. Wurdack discussed the subject of "Pharmaceutical Chemistry" on WCAE on October 17, 1953. This program was sponsored by the Pittsburgh Section of the American Chemical Society. Dr. G. W. Gerhardt of Mellon Institute was the interrogator.

"Old Doc" the sound movie, was shown to many groups, includ-

ing high schools and service groups among which were Rotary, Lions, Parent Teachers Association, etc. not only in the Pittsburgh area but in Erie, Johnstown, Altoona, Greensburg and other communities.

Not only were changes made in the curriculum but money was provided to make it possible for some to pursue the revised curriculum.

In 1953, the Eckerd Drug Stores established a yearly scholarship award for a deserving male student from the high schools in the Erie, Pennsylvania high school district who qualifies scholastically and by examination. The award consists of \$500.00 yearly to the awardee or \$2000.00 for the four year course. This awardee must at all times remain in good scholastic standing. The money is applied to tuition, fees, and laboratory expense.

Another Diamond Jubilee contribution was made in the form of a new scholarship, the Oliver F. Wolf Memorial Scholarships. The McKennan Pharmacy of Pittsburgh, Pennsylvania, in memory of Oliver F. Wolf (one of the early corporate members), established two scholarships annually in the amount of \$125 each. The scholarships are awarded to two deserving students, members of the junior and/or senior class as a payment toward tuition.

Also in 1953 Mr. and Mrs. Barney B. Perifano established a \$100.00 scholarship in their name to be awarded yearly to a student in the School of Pharmacy. This award is based on financial need and ability.

The Ladies Auxiliary of the Alpha Zeta Omega Pharmaceutical Fraternity also established an award of \$25.00 for a deserving sophomore student.

Not to be outdone by the ladies, one of the men's fraternities, The Phi Delta Chi, Mu Chapter, presented to the school a complete, framed set of pictures depicting the history of pharmacy. The school is fortunate to have a group like the Phi Delta Chi Professional Pharmaceutical Fraternity to thank for this beautiful set of pictures.

While these things were taking place one of the staff members, Mr. Joseph D. McEvilla, participated in a six weeks seminar in Drug Store Management given by the Walgreen Company. The group attending the Seminar studied everything from selecting store locations to training sales personnel. Over forty-five (45) separate subjects were covered in this intensive study and discussions with the firm's department heads. Mr. McEvilla attended this Seminar so that

he in turn could relay the benefits he derived from the seminar to the pharmacy students.

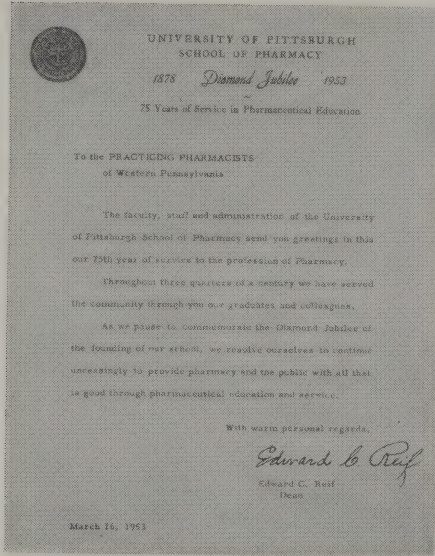
All drug stores in western Pennsylvania where an alumnus of the school was located displayed a poster which in turn enlightened those who read it regarding the University of Pittsburgh School of Pharmacy. For example, it indicated "that seventy-five years of service had been rendered the community by this institution through its graduates." It also stated "that the school expected to continue to provide pharmacy and the public with the finest in pharmaceutical education and service."

A VICE CHANCELLOR FOR THE HEALTH PROFESSIONS

In perfect timing with the Jubilee, on September 18, 1953 the news came—Dr. Robert A. Moore, nationally known medical educator and administrator, was named Vice-Chancellor in charge of the Schools of the Health Professions at the University of Pittsburgh. "In his new position Dr. Moore is to coordinate teaching, research, and patient care in the hospitals, clinics and professional schools of medicine, dentistry, pharmacy, nursing and public health."

"Specific duties of the Vice-Chancellor in Charge of the Schools of the Health Professions, as outlined in the announcement by Dr. Fitzgerald, include responsibility for development of adequate facilities; selection of distinguished faculties for the five professional schools; development of strong education and research programs; extension of post-graduate medical education throughout the Pittsburgh district; integration of the five professional schools with one another and with other important divisions of the University and with the work of associated hospitals and clinics; and assistance in obtaining funds to carry forward the program of education and research."

On October 2, 1953, the mayor of the city, David L. Lawrence, proclaimed the period from October 4 through October 10, 1953 to be National Pharmacy Week and urged all citizens to join with their pharmacists in working for better community health. A proclamation on this date was signed in the presence of Dr. Hugh C. Muldoon, dean of the Duquesne University School of Pharmacy and Dr. Edward C. Reif, dean of the University of Pittsburgh School of Pharmacy.



Diamond Jubilee Poster.

David L. Lawrence, then mayor of Pittsburgh, proclaims National Pharmacy Week, October 4, 1953, as Drs. Hugh C. Muldoon and Edward C. Reif witness with approval.



The students of the School of Pharmacy participated in Pharmacy Week by setting up an exhibit in the Cathedral of Learning for the week. The exhibit was entitled "The Pharmacist Works for Better Community Health." The display consisted of three sections. The first depicted the compounding of prescriptions and the work of the neighborhood druggist. Hospital pharmacy was featured by an exhibit on anesthetics and narcotics while the third section was devoted to pharmaceutical research.

On Friday, October 9, 1953 at the Third Annual Scientific Day of the Medical School Alumni at Mellon Institute, the School of Pharmacy participated as an exhibitor.

Dr. Edward C. Reif said,

DEDICATION

The Diamond Jubilee Celebration gives us the occasion to review in retrospect, with honest and unquestioning pride, the memorable experiences of the past; to appraise the integration and correlation of arts and sciences in the pharmaceutical curriculum as now constituted; and to meet with energetic enthusiasm the demands of an ever changing pattern in the domain of pharmaceutical education.

BEGINNING OF THE NEXT ERA

1954 brought with it the announcement that three chapters of Alpha Zeta Omega, National Pharmaceutical Fraternity, the Mu Chapter at school, the Pittsburgh Alumni Chapter, and the Women's Auxiliary Group, had raised funds to complete and bind many rare and valuable periodicals for the School of Pharmacy, one of which was the "Western Pennsylvania Retail Druggist."

This same group honored Dean Reif for his years of service to pharmacy as a pharmacist, educator, and administrator. Dr. Herbert G. Longenecker, dean of the Graduate School, was the speaker. On this occasion Dean Reif was the recipient of a very fine candid camera. The event was held in Webster Hall.

Early in 1954 the American Pharmaceutical Association held a Inter-professional Conference at Washington, D. C. Dean Reif attended this conference on February 4. It was pointed out "that un-

derstandings are based upon knowledge of the respective functions and problems of those who must work together in the field of medical care." The first steps were taken to better inter-professional relations and further conferences are to be held to carry this work forward.

In March 1954 Dean Reif and Professor Robert W. Sager attended the District No. 2 meeting of the State Boards and Colleges of Pharmacy held at Pocono Manor, Pennsylvania. As a direct result of the showing of the film "Old Doc" and "Pharmacy at Pitt" a resolution was passed that such a project be undertaken nationally. Subsequently, under the auspices of the American Association of Colleges of Pharmacy two films were produced. This was made possible by a substantial grant from the American Foundation on Pharmaceutical Education.

As president of the American Association of Colleges of Pharmacy Dean Reif attended the meeting of District No. 4 at the University of Kentucky, Lexington, Kentucky. (see Appendix S, page 316)

On April 12, 1954 a dinner was held in honor of Vice-Chancellor and Mrs. Robert A. Moore at Hotel Webster Hall. Every effort was made to see that Dr. and Mrs. Moore met the many pharmacists of the tri state area. The guests included the members of the Corporation of The Pittsburgh College of Pharmacy, officers and representatives of Fraternities and County and State groups.

In fact every segment of pharmacy was represented, including representatives of manufacturers, wholesalers, etc. Dr. Moore spoke at length on the future of the School of Pharmacy in the new building to house the Schools of the Health Professions. (see Appendix T, page 320)

At the annual Alumni Reunion and dinner the class of 1954 presented a check for \$250.00 to be used to purchase books for research and work at the graduate level.

Another peak of progress was reached with the Ground Breaking Ceremony for the new building for the Schools of the Health Professions on Monday, June 28, 1954. A luncheon preceded the ground breaking in the dining room of the Residence for Nurses on Lothrop Street. Mrs. Alan M. Scaife, wife of the president of the University of Pittsburgh Board of Trustees, turned the first spade of earth. The new structure for the Schools of the Health Professions is located on a site fronting on Terrace Street, immediately north of Presby-

terian Hospital to which it is connected and extends from Lothrop to DeSota Street.

Mrs. Scaife was presented a special shield shaped pin as a memento of the ground breaking and her activities in behalf of education and health. The pin, represents the lower half of the shovel. The academic colors of the four schools appear on the shield in enamel, separated by fluted golden columns. The colors are pale green for Medicine; a violet shade for Dentistry; olive green for Pharmacy; and apricot for Nursing. The colors are fused at the base, indicating the integration of the four schools. A tiny triangle at the top symbolizes the Golden Triangle of Pittsburgh.

The whole ceremony gave a new meaning to the Louis Pasteur quotation which appeared on the printed program—

“Take interest, I implore you, in those sacred dwellings which are designed by the expressive term, laboratories. Demand that they be multiplied and advanced. These are the temples of the future, temples of well-being and happiness—where humanity grows greater, stronger, better.”

On October 18, 1954 Dean Reif addressed the science sectional meeting of the Northwestern Pennsylvania State Educational Association at Strong Vincent auditorium in Erie, Pennsylvania. His talk dealt with the academic preparation for the health professions with emphasis on careers in pharmacy, medicine, dentistry, nursing and public health. Dean Reif illustrated his talk with slides which showed how the education of a pharmacist is accomplished at Pitt. Mr. J. Milton Hill, of the Eckerds Drug Stores, Inc., made arrangements for Dean Reif's talk.

October 25, 1954 was a memorable event for the faculty. It was the first time Dr. Moore presided as chairman of the faculty at a dinner meeting held at the Faculty Club.

At this meeting Drs. Claus, Bianculli, Wurdack, Mr. Blockstein, and Dean Reif reported on the Teachers Seminar which was held at Storrs, Connecticut in August 1954.

In the fall of 1954 the School of Pharmacy again participated in the Annual Scientific Day of the Alumni of the School of Medicine. The exhibit portrayed the “Chemotherapeutic Aspects of Cancer.”

At the annual meeting of the Pennsylvania Pharmaceutical Association held at Bedford Springs in June 1954, Drs. Claus and Bian-

culli participated in a panel discussion on "Scabicides and Insecticides." This was part of the scientific program of the convention.

The Allegheny County Pharmaceutical Association brought honor to the School of Pharmacy because they honored its dean. November 17, 1954 the Association not only tendered a dinner in Dean Reif's honor but presented him with a plaque:

TO
EDWARD C. REIF
DEAN OF THE SCHOOL OF PHARMACY OF
UNIVERSITY OF PITTSBURGH
THIS PLAQUE
IS PRESENTED BY THE
ALLEGHENY COUNTY PHARMACEUTICAL ASSOCIATION
IN RECOGNITION OF HIS OUTSTANDING
CONTRIBUTIONS TO THE ADVANCEMENT OF
PHARMACY
NOVEMBER 17, 1954

This most unusual year ended on an extremely sad note, for one of the oldest and beloved teachers on our staff was called by the Divine Maker to the world beyond. Dr. John H. Wurdack died December 8, 1954 and is missed by students and faculty alike. Dr. Wurdack upon graduation was appointed an instructor in the School of Medicine and the following year began his long association with the School of Pharmacy. From 1911 until his death Dr. Wurdack taught chemistry in the School of Pharmacy.

CONCLUSION

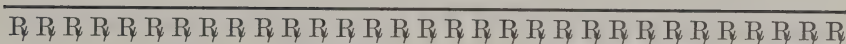
This history reveals that the Pittsburgh College of Pharmacy, now the University of Pittsburgh School of Pharmacy, was conceived in faith, nurtured by self-sacrifice, and brought to maturity through a devotion to the finest ideals of higher education. It stands today as a monument to the love, liberality, and a far seeing faith of those who planned and worked for its founding, growth and development.

We are not unmindful of those individuals who are still striving for her betterment so that the School of Pharmacy can carry on more effectively. (see Appendix VI, page 329)

PART FIVE

Appendices

APPENDIX I



THE PITTSBURGH COLLEGE OF PHARMACY: CORPORATION, TRUSTEES, STATE BOARD REPRESENTATIVES, DEANS, ADMINISTRATIVE OFFICERS

MEMBERS OF THE COLLEGE CORPORATION

- | | |
|---|--|
| Abel, Joseph, 1878-1886
Elected honorary member
April 4, 1887 | *Brehm, Louis, 1878-1908 |
| *Amsler, Ira G., 1918-1948 | Brill, W. H., 1878-1882 |
| Anthes, Philip, 1893-1899 | Brown, Thomas A., 1925-1933 |
| Armor, A., 1878-1889 | Brown, Thomas S., 1896
honorary member; died 1934 |
| Aschman, Frederick T., 1893-1925 | Bunt, R. D., 1878-1879 |
| Barnett, J. D., 1893-1896 | Burford, Ethan A., 1898-1899 |
| Bachman, Charles F., 1893-1895 | Burry, Bertram, 1906-1907 |
| Beal, George D., 1927-1948 | Burkett, Karl S., 1918-1936 |
| *Beal, James H., 1904-1947 | Caldwell, C. F., 1878-1879 |
| *Beach, C. H., 1878-1906 | Campbell, Charles C., 1924-1948 |
| Beach, W. S., 1878-1889 | *Cappell, Theodore, 1895-1924 |
| Beck, John, 1881-1896 | Castner, Louis C., 1879-1888 |
| Beckert, Theodore F., 1878-1884 | Cherry, James B., 1878-1891 |
| Beighley, William A., 1919-1929 | Claus, Edward P., 1935-1948 |
| Bender, Abner G., 1878-1896 | Clifford, H. A., 1885-1886 |
| Bimber, G. L., 1895-1898 | Coldren, Ira Burdett, 1927-1936 |
| Blanck, Hugo, 1882-1893 | Cowley, John, 1878-1879 |
| *Blumenschein, Frederick J.,
1903-1948 | Craig, Burton L., 1933-1948 |
| Boas, D. K., 1885-1886 | *Darbaker, Leasure K., 1909-1948 |
| Boyd, J. S., 1878-1879 | Daubert, Bernard F., 1942-1947 |
| Brandl, Herman Joseph, 1941-1948 | Davis, Charles W., 1888-1890 |
| *Brehm, Frederick J., 1896-1948 | Davis, David, Jr., 1878-1879 |
| | Davis, W. W., 1878-1890 |
| | DeBrunner, H. G., 1879-1880 |

- Denslow, J. C., 1924-1928
 Dice, William, 1905-1909
 Dittler, F. A., 1878-1895
 Doerflinger, Theodore, 1878-1880
 Donnelly, E., M.D., 1878-1879
 Dosch, B. G., 1878-1880
 Duff, Emerson L., 1878-1885
 Eble, Charles, 1878-1882
 Eggers, Fred H., 1878-1899
 Eggers, Fred W., 1886-1896
 Ehrstein, Joseph, 1878-1885
 *Einstein, Morris, 1886-1937
 Eisenbeis, G., 1878-1189
 *Emanuel, Louis, 1878-1941
 Fahnestock, B. L., 1878-1880
 Fahnestock, Benjamin S., 1878-1880
 Fahnestock, Levi, 1879-1880
 Finkelppearl, Henry, 1890-1894
 Fleck, F. R., 1878-1880
 Fleming, Joseph, 1878-1880
 Foster, George E., 1878-1889
 Foster, Mansfield, 1878-1879
 *Gaw, Robert R., 1919-1948
 George, Harold V., 1937-1948
 Gicquelais, Louis C., 1924-1948
 Gillespie, E. N., 1892-1895
 Glamser, Anton, 1878-1898
 Gleim, Perry M., 1878-1896
 Goldsmith, Edwin R., 1898-1899
 Gorenstein, Isadore, 1929-1948
 Grabowski, John F., 1919-1929
 Green, Charles, 1883-1884
 Griggs, I. Paul, 1921-1936
 Grunewald, J. T., 1900-1902
 Guttenberg, Gustave, 1894-1895
 Haering, D., 1886-1899
 Hahn, J. L., 1886-1887
 Hainer, R. M., 1892-1893
 Hamilton, Dan C., 1878-1879
 Hamilton, L. M., 1878-1879
 Handmacher, Alexander S.,
 1921-1929
 Hantz, C. Nelson, 1905-1907
 Harris, Levi H., M.D., 1878-1890
 Harvey, Arthur W., 1934-1948
 Hauch, Charles, 1878-1879
 Hauch, Louis, 1878-1879
 Hays, Joseph A., 1893-1896
 Heffly, R. J., 1893-1894
 Heidenreich, William F., 1899-1906
 Henderson, A. K., 1878-1899
 Henderson, Joseph, 1878-1880
 *Henderson, Randal W., 1897-1948
 Hewitt, Lemuel E., 1893-1899
 Hieber, Theodore W. D., 1878-1880
 Hill, John B., 1878-1882
 Hixenbaugh, W. S., 1890-1891
 Holden, E., 1878-1890
 Holland, Samuel S., 1878-1898
 Hollander, J. M.
 Hood, Claude W., 1925-1937
 Hughes, William, 1878-1899
 Hull, C. S., 1892-1893
 Hunter, J. E., 1878-1879
 Ihrig, Theodore E., 1891-1906
 Jackson, S. Howard, 1893-1894
 Jamison, Samuel C., 1892-1899
 Johnson, Ralph H., 1905-1924
 Jones, Fred W., 1906-1924
 Jones, Will S., 1884-1890
 *Judd, Albert F., 1897-1947
 Kaercher, A. J., 1878-1898
 Kelly, George A., 1878-1898
 Kerr, James, Jr., 1878-1895
 Kimberly, G. W., 1882-1883
 Kimmell, Joseph, 1878-1889
 Kinney, Joseph M., 1878-1879
 Klotz, A., 1878-1887
 Knapp, P. P., 1906-1920
 Knode, J. C., 1893-1896
 *Koch, Julius A., 1884-1948

- *Koenig, Adolph, M.D., 1885-1932
- *Kossler, Herman S., 1903-1948
- Kreidle, A. W., 1878-1882
- Kretz, Edward J., 1906-1929
- Kurtz,, 1878
- *Kutscher, George W., 1890-1948
- *Labowitz, David, 1919-1948
- Labowitz, Edward, 1927-1948
- Lanning, A. Roy, 1904-1915
- Laufe, Joseph H., 1942-1948
- Lawrence, W. E., 1893-1896
- Lewis, D. E., 1903-1904
- Lindsay, J. B., 1878-1884
- *Lohmeyer, Henry L., 1897-1932
- Lytle, J. M., 1884-1885
- Lytton, George W., 1888-1895
- Mangold, Ernest, 1885-1896
- Mays, G. W., 1878-1879
- Means, Ralph W., 1878-1887
- Means, Walter E., 1942-1948
- Meckelburg, A., 1878-1879
- *Mendelson, Jacob I., 1922-1942
- Mercer, J. D., 1899-1906
- *Mierzwa, Richard, 1895-1948
- Miller, John W., 1887-1891
- Minnick, William G., 1888-1898
- Moore, Thomas F., 1894-1895
- Morgan, Edgar T., 1903-1924
- Murphy, John F., 1890-1891
- Musselman, D. Z., 1890-1891
- McAlee, J. Stanley, 1945-1948
- McAdams, William J., 1896-1910
- McBride, Homer J., 1884-1899
- McClarran, Newton, 1878-1881
- McCulloch, Frederick W. M.,
1918-1931
- McCullough, John S., 1889-1890
- McCullough, P. A., 1889-1890
- McDonough, Oscar, 1892-1893
- McElroy, Samuel, Jr., 1880-1884
- McGann, M. J., 1878-1889
- McGinnis, Frank S., 1925-1947
- McHenry, Thomas, 1878-1888
- McKee, E. H., 1894-1895
- McKelvey, James G., 1878-1879
- McKenna, John T., 1878-1879
- Neely, Joseph F., 1884-1898
- Nesbit, W. W., 1879-1898
- *Nied, Edward C., 1919-1948
- Nixon, Simeon J., Jr., 1897-1898
- Nourse, Charles F., 1878-1879
- *O'Connell, C. Leonard, 1922-1948
- O'Donnell, H. J., 1903-1906
- Oglevee, William H., 1896-1906
- Ostrow, Harry L., 1945-1948
- Over, Ed. W., 1878-1879
- Paley, Philip, 1934-1941
- Park, Joseph, 1878-1879
- Parke, James M., 1878-1879
- Patrick, Elmer A., 1896-1906
- Phillips, John H., 1942-1948
- Phillips, Prof. Francis, 1878-1902
- Pritchard, Benjamin E., 1904-1925
- Poth, A. Herman, 1894-1895
- Pyatt, George W., 1878-1879
- Rankin, Alfred J., 1878-1880
- Rankin, Edgar A., 1896-1897
- Reed, John T., 1884-1885
- Rees, John G., 1944-1948
- *Reif, Edward C., 1919-1948
- Reiter, W. C., M.D., 1878-1880
- Rickard, Chauncey, 1933-1948
- Richards, George W., 1892-1893
- Robertson, A. C., 1878-1903
- Robertson, Murrell Dewey,
1944-1948
- *Rodemoyer, William E., 1899-1933
- Rogers, Charles J., 1895-1899
- Rousch, David W., 1923-1937
- Rott, Louis, 1878-1880
- *Saalbach, Carl, 1906-1932
- *Saalbach, Louis, 1896-1948

- Sawhill, W. W., 1878-1898
 *Schaefer, Charles H., 1896-1948
 *Schaefer, Emil A., 1886-1942
 *Schiller, Fred, 1922-1948
 Schmidt, Adolph, 1919-1937
 Schmidt, G. W., 1878-1879
 Schmidt, Henry, 1878-1884
 Schirmer, William G., 1878-1918
 Schuchman, William, 1896-1906
 Schwarm, Charles, 1878-1889
 Schwartz, H. P.,
 Elected honorary member 1878
 Schwartz, Thomas M., 1888-1891
 Siegfried, H. J., 1906-1924
 Seitz, Fred G., 1878-1879
 Seegman, Meyer P., 1905-1924
 Shafer, John A., 1884-1906
 Shipley, Charles H., 1887-1889
 Shrom, Charles B., 1888-1889
 Simpson, W. S., M.D., 1878-1879
 Sims, James C., 1925-1948
 Smith, G. F., 1891-1892
 Spatz, Joseph M., 1905-1918
 Spear, John D. P., 1919-1929
 Spilker, H. A., 1899-1906
 Splane, George R., 1885-1889
 Spring, Edward, 1878-1879
 Steitz, Louis, 1878-1899
 Stenger, B. J., 1878-1899
 Stephenson, John V., 1878-1879
 Stevens, S. Henry, M.D., 1878-1888
 Stevenson, J. H., 1890-1891
 Stewart, Samuel, 1878-1883
 Stiefel, Ernest C., 1889-1890
 Stokely, Joseph, 1878-1880
 Straessly, Frank X., M.D., 1889-1899
 Stright, S. A., 1906-1924
 Stucky, Emil G., 1878-1890
 Sturgeon, Walter, 1933-1936
 Sutter, William, 1897-1902
 Swearer, J. L., 1878-1880
 Templeton, J. G., M.D., 1878-1889
 Thompson, Barnard, 1945-1948
 Thompson, D. C., 1878-1880
 *Thompson, John R., 1905-1948
 Torrence, Albert, 1884-1889
 *Totten, R. M., 1892-1941
 Urben, A. T. B., 1878-1889
 Urben, Joseph P., 1878-1898
 Vance, William S., 1896-1898
 Van Meter, Clarence T., 1942-1944
 Wagner, John H., 1891-1892
 Walker, F. W., 1878-1888
 Wallace, John C., 1909-1927
 *Walter, Peter G., 1906-1934
 Walters, P. W., Jr., 1878-1879
 Walther, Charles L., 1884-1896
 Ward, E. S., 1878-1879
 Wardlaw, William D., 1925-1937
 *Weber, Peter, 1878-1912
 Weller, E. V., M.D., 1892-1893
 Wentling, Samuel L., 1892-1893
 Wessels, J. G., 1885-1886
 White, D. G., 1882-1883
 Whitman, William H., 1947-1948
 Wick, Floyd B., 1920-1921
 Willetts, Charles E., 1920-1930
 Wilson, Albert H., 1879-1898
 Wilson, Stephen, 1942-1948
 Wirsing, T. R., 1893-1924
 *Wolf, Oliver F., 1919-1930
 Woods, Frederick H., 1924-1927
 *Wurdack, John H., 1916-1948
 Wurzel, Henry, Jr., 1878-1879
 Wynkoop, U. G., 1886-1887
 Yellig, Dan, 1905-1924
 Yohe, George C., 1925-1948
 Young, David B., 1937-1948
 Young, George Fleming, 1942-1948

**Life Member*

PRESIDENTS OF THE PITTSBURGH COLLEGE
OF PHARMACY

Kelly, George A., 1878-1889
Eggers, Frederick H., 1889-1893
Robertson, Archibald C., 1893-1897
Emanuel, Louis, 1897-1942
Thompson, John R., 1942-1948

GEORGE A. KELLY (SR.)

First President of The Pittsburgh College of Pharmacy

First Chairman of the Board of Directors

Born in Pittsburgh in 1832 at Penn Avenue and St. Clair Street (now Sixth Avenue). Married to Miss Agnes Roseburg. Four children; George A. Kelly Jr., Samuel R. Kelly, Grace R. Kelly and Agnes R. Kelly.

Activities in the Drug Business

At a very early age Mr. Kelly entered the drug business as an apprentice with Henry P. Swartz. He was with Mr. Swartz for ten years, after which he became connected with the banking business in which he served a few years. In 1857 he returned to the drug business and had a retail store on Federal Street at the intersection of the Pennsylvania Railroad. This store was managed by James R. McClelland. Mr. Kelly next established a wholesale and retail store at the corner of Federal and Rebecca Streets, Allegheny, under the name of Beckham and Kelly. His partner was Colonel Lee C. Beckham, a southerner, who joined the Confederate Army in 1861 and never returned north.

In 1858 Mr. Kelly opened another store at Federal and Robinson Streets, Allegheny. When the new Allegheny market was built he opened a retail store in this building with Romolus B. Cool as manager. A pharmacy still operates in this location as of this day.

Mr. Kelly disposed of his retail stores and ventured into the wholesale drug business at 211 Wood Street. In this venture Robert Snodgrass was a partner but withdrew when Mr. Kelly moved to Wood Street and Second Avenue. The story of this business is one of continuous growth.

In 1870 Captain Jehu P. Smith and Mr. Kelly bought out the business of B. A. Fahnestock Son & Co. established in 1829 which at one time was the largest wholesale drug house in the United States.

In 1888 Mr. Kelly's two sons, George A. Kelly Jr. and Samuel R. Kelly, were admitted to partnership in the firm and in 1892 the business was incorporated under the name of George A. Kelly Co. The two sons carried on the business after his death and until their demise. The business at the present time

is conducted under the very able leadership of a granddaughter, President Eleanor P. Kelly.

In 1898 the company moved from First Avenue and Wood Street to Cherry Way and Seventh Avenue and in 1913 moved to its present location at 9th Street and Duquesne Way.

College of Pharmacy Activities

From the time of the first informal meeting which was held at the Monongahela House on September 7, 1871 until The Pittsburgh College of Pharmacy was chartered in 1878 Mr. Kelly was active in this group of forward looking druggists. This group recognized the dire need for an educational pattern to train and instruct future pharmacists. Mr. Kelly was the first president of The Pittsburgh College of Pharmacy, now the University of Pittsburgh School of Pharmacy (1948), and held this position until the College was well established when he relinquished the presidency in 1889. He also served as the chairman of its Board of Trustees. Mr. Kelly contributed materially during the early days of the school and it was due to his judgment, counsel and guidance that the college successfully passed the critical stages of its early existence.

Other Pharmaceutical Activities

In 1878 Mr. Kelly became an active worker in the Western Association of Wholesale Druggists and in 1879 served as 3rd vice-president. This organization changed its name on November 5, 1882 to the National Association of Wholesale Druggists and he was made 2nd vice-president and on September 13, 1888 was made president.

In 1881-1882 he served as president of the Pennsylvania Pharmaceutical Association.

Civic Activities

In 1873 Mr. Kelly was appointed by the Supreme Court as an inspector of the Western Penitentiary and continued in that position for 30 years.

From 1879 to 1884 he served as Treasurer of the Board of Inspectors of the prisons of the state and from 1884 until 1902 as President.

It was his clear judgment and deep conviction which led him to advocate education and training, in useful occupation, for prisoners.

He is considered as one of the very early pioneers in the field of rehabilitation in this area.

He was also a member and supporter of the Art Society of Pittsburgh.

Mr. Kelly was a signer of petition for the Pittsburgh Chamber of Commerce and served as a director from 1874 until his death. He was also secretary from 1878-79; vice-president 1883-91; and was elected president the same year.

In 1878 he was elected a Trustee of the Western Theological Seminary. He also served as vice-president of the Shipping and Industrial League.

In 1886 he was elected vice-president of the Merchant and Manufacturers National Bank which position he held until his death. He was also a director of the Pittsburgh Savings Bank.

He was one of the petitioners to erect and maintain a hospital and have it incorporated for that purpose. A charter was subsequently granted to the Allegheny General Hospital and Mr. and Mrs. Kelly were both active in this work and supported it financially.

He also was a member of the Board of Incorporators of the Allegheny Cemetery and in this capacity he served until his death.

He was a member of the Duquesne Club which was organized on June 11, 1878 and incorporated November 28, 1881.

Religious Activities

Mr. Kelly was a very devout and religious man.

He was a member of the Third Presbyterian Church in which he took an active part from 1850 until 1867. On March 15, 1867 he united with the Sewickley Presbyterian Church where he served as a trustee until 1873, when he transferred to the North Presbyterian Church and served as an elder until 1892. In this year he transferred his membership to the East Liberty Presbyterian Church, where he was installed as an elder in 1896 and served in this capacity until his death.

Mr. Kelly had a long life of honor and his innumerable good deeds leave a rich heritage to those who were nearest him.

No man was better known in civic circles than George A. Kelly, Sr. He had rigid rules of honesty which were widely known and respected. He was quiet and earnest in manner but at the same time was very determined in his convictions. He always took an active part in everything that concerned the progress of Pittsburgh. He enjoyed the reputation for conservatism and integrity. He was a friend at all times of young men and many owe their success in life to the kindly advice and assistance of Mr. Kelly. He gave his services cheerfully to the public without thought of compensation. He was the moving spirit in many ventures that helped to advance the interest of the community. He was also interested in charity and church work.

FREDERICK H. EGGERS

Frederick H. Eggers was born in Allegheny, Pennsylvania on July 6, 1841, the son of Ernest and Barbara Eggers. He graduated from the public schools of Allegheny and from the Sewickley Academy.

Mr. Eggers began his apprenticeship in pharmacy with Dr. Zwinger. He subsequently owned drug stores at 172 East Ohio Street and at the corner of Chestnut and Ohio Streets, Allegheny, Pennsylvania and in the Monongahela House in Pittsburgh. Mr. Eggers was active in his profession until his death, July 6, 1900.

Mr. Eggers was a member of the Corporation of The Pittsburgh College of Pharmacy and served as its president from 1889 until 1893.

Mr. Eggers was one of the first board members of the Avery Trade School which was located in Allegheny, Pennsylvania. He also served as President of the Teutonia National Bank of Allegheny, and as a member of the Pennsylvania State Pharmaceutical Examining Board from 1887 until 1891, during which time he served as its treasurer. Mr. Eggers was a member of the G. A. R.

In July 1860 he married Hanna Lindsay McWhorter. They had nine children: Harry Louis, Frederick William (*druggist*), Edward Ernest (*librarian*), Howard Colvin (*artist*), Jeanne Edith (*active in religious and missionary work*), Ivy Lorella (*married to the Rev. J. B. Markward, D.D.*), Augustus Hartage (*physician*), Carrie E. (*social work and Christian educator*), and Rebecca Jane (*teacher*).

ARCHIBALD C. ROBERTSON

Archibald C. Robertson was born in Aberdeen, Scotland, May 21, 1840, the son of Archibald Craig and Mary Robertson. After arrival in Pittsburgh, he attended the Second Ward Public School. He then attended The Pittsburgh College of Pharmacy from which he graduated in 1880.

He was first employed in the printing department of the *Pittsburgh Dispatch*, from which he entered the Union Army. He was attached first to Company A, 5th Excelsior Brigade, N. Y. and then to Sickles' Brigade. Upon discharge from the army he returned to Pittsburgh and began his career in the wholesale drug business in 1865 with George A. Kelly Co., where he remained until 1895. In that year he became associated with Mr. Walthour as a member of the Walthour-Robertson Drug Co. In 1898 he returned to George A. Kelly Co. where he was employed until the time of his death in 1906.

He was a member of the Corporation of The Pittsburgh College of Pharmacy and served as its President from 1893 until 1897. He also served as chairman of the Board of Trustees from 1882 to 1888 and from 1889 to 1893 and as Second Vice-President from 1897 to 1906. He was also the representative of The Pittsburgh College of Pharmacy on the Board of Trustees of the Western University of Pennsylvania from 1896 to 1897.

In 1865, Mr. Robertson married Amelia Jane Ferguson. They were the parents of eight children: John, Maude, Archibald Craig, George Kelly, William Moore, Jean and Helen (who were twins) and Walter.

LOUIS EMANUEL

President of The Pittsburgh College of Pharmacy 1897-1941

Chairman of the Board of Trustees

Louis Emanuel was born June 24, 1854 on a farm near Hanover, Hancock Co. Ohio. His parents moved to Allegheny in 1868 where he attended the St. Mary's Parochial School. The same year he secured employment in the drug store of M. S. Benson, M.D., located at Madison and Ohio Sts., Allegheny, Pa. Three years later he was employed by Peter Walter Jr. whose store was located at Chestnut and Liberty Sts., Allegheny, Pa.

Under the guidance of Lewis C. Hopp of Cleveland he matriculated at the Philadelphia College of Pharmacy and was graduated from that institution with honor in 1876. He was awarded the prize in *Materia Medica*. His thesis received favorable comment from Professor John M. Maisch for "his ability to make a practical demonstration of so simple a subject as a pill-mass excipient." During his stay in Philadelphia he was employed by William Baker Banks located at 19th and Shirley Streets.

Upon graduation from the Philadelphia College of Pharmacy he returned to Pittsburgh and became a copartner of a drug store purchased from August Hartung then located at Second Ave. and Grant Street. This was situated at the edge of what today is known as the "Golden Triangle." He remained in this location for 44 years.

In 1878 he became a member of the American Pharmaceutical Association and of the Pennsylvania Pharmaceutical Association. He was honorary president of the A.Ph.A. in 1924.

Mr. Emanuel was one of the signers of petition to charter The Pittsburgh College of Pharmacy, which received its charter in 1878. Mr. Emanuel said "that although he supported the movement for the establishment of the college he had doubts of such an undertaking"; in fact the college did have a precarious existence until 1891 when Julius A. Koch was elected dean and was given a free hand.

In 1892 Mr. Emanuel was elected Professor of Inorganic Chemistry with full charge of the chemical laboratories. However, in December of the same year he resigned because he said "he soon found out that he was not gifted as a teacher for his nervous system was wrecked after a few months."

He was elected President of The Pittsburgh College of Pharmacy in 1897 and served in this capacity until his death in 1941.

He was also the College of Pharmacy representative on the Board of Trustees of the University of Pittsburgh.

Mr. Emanuel was awarded the honorary degree of Master in Pharmacy (PH.M.) from his Alma Mater, and in 1899 was awarded the degree of Doctor of Pharmacy (PHAR.D.) from The Pittsburgh College of Pharmacy.

In 1891 he became a member of the Pennsylvania Board of Pharmacy and served on the board for 30 years.

In this capacity he was active in the enforcement of the law in such a manner as to bring better conditions for the pharmacist and more efficient service for the sick: to accomplish this he was strenuously opposed to the substandard clause of the Pure Food and Drug Law, and missed no opportunity to express his conviction that, in time, this clause would prove inimical to the best interests of the drug trade and the public.

He was an uncompromising advocate of the principle of confining drug store ownership to legally authorized pharmacists.

He had faith in associated endeavors, intelligently and honestly applied and believed that the retailer would make rapid progress in curing the ills of his calling if he could give association work careful and persistent attention. He supported the N.A.R.D. from the date of its organization, serving as its treasurer for several years. Mr. Emanuel's activities attest his fidelity to the interest of the retail pharmacist.

JOHN REYNOLDS THOMPSON

John Reynolds Thompson was born on October 11, 1873 at Duncansville, Pennsylvania. Mr. Thompson began his drug career with Doctor Smith Grant Beatty. Here he had many unusual duties, i.e., kept doctor's office tidy, milked the cow, groomed the horse, and also learned the names of drugs and medicines and how to make Compound Cathartic Pills. From an apprenticeship such as this he came to Pittsburgh to work for his brother.

He attended The Pittsburgh College of Pharmacy and was graduated March 29, 1894 with the degree of Graduate in Pharmacy.

He went into business at the corner of Washington Avenue (now Columbus Avenue) and Fremont Street. After fifteen months he sold this store and bought a store located at North Avenue and Federal Street where he stayed five years. After several other business ventures he became manager of the stores of the P. C. Schilling Company. In 1907 he joined the staff of the George A. Kelly Company, Pittsburgh Wholesale Druggists, in fact, the oldest wholesale drug house west of the Allegheny Mountains. Dr. Thompson served as vice president of this concern for forty-five years.

Dr. Thompson was always interested in pharmacy for from 1902 until 1904 he served as president of the Pittsburgh Retail Druggists Association.

He was early associated with The Pittsburgh College of Pharmacy, for in 1905 he became a member of the Corporation of The Pittsburgh College of Pharmacy and was active on its Board of Trustees until the merger with the University of Pittsburgh in 1948.

He was elected permanent chairman of the Board of Directors on April 3, 1928 and became president of the College Corporation in 1942.

On September 17, 1943 he was awarded the honorary degree of PHAR.D. by his alma mater.

Dr. Thompson was a member of the Pennsylvania and American Pharmaceutical Associations, Cambria-Somerset Retail Druggists Association, Kappa Psi Pharmaceutical Fraternity, and the Fifty Year Club of Pitt.

He was active until his death, April 23, 1952.

VICE PRESIDENTS OF THE PITTSBURGH COLLEGE OF PHARMACY

First Vice Presidents

Abel, Joseph, 1880-1886	Harris, Levi H., 1878-1880
Emanuel, Louis, 1894-1897	Phillips, Francis C., 1886-1894
Gaw, Robert R., 1942-1948	Schaefer, Emil A., 1897-1936
Thompson, John R., 1936-1942	

Second Vice Presidents

Abel, Joseph, 1878-1880	Phillips, Francis C., 1880-1886
Blumenschein, Frederick J., 1937-1948	Robertson, Archibald C., 1897-1906
Holland, Samuel S., 1886-1894	Schirmer, William G., 1896-1897; 1906-1907; 1909-1920
Kutscher, George W., 1920-1924	Schmidt, Adolph, 1924-1937
Mierzwa, Richard, 1907-1909	Weber, Peter, 1894-1896

TREASURERS OF THE PITTSBURGH COLLEGE OF PHARMACY

Brehm, Louis, 1894-1897	Kimmel, Joseph, 1881-1886
Eggers, Frederick W., 1887-1892	Saallach, Carl, 1909-1932
Emanuel, Louis, 1886-1887; 1892-1894	Saallach, Louis, 1901-1909; 1932-1948
Holland, Samuel S., 1878-1881	Schirmer, William G., 1897-1901

SECRETARIES OF THE PITTSBURGH COLLEGE OF PHARMACY

Corresponding Secretaries

Cherry, James B., 1881-1886	Jamison, Samuel C., 1893-1896
Einstein, Morris, 1892-1893	Jones, Will S., 1886-1889
Emanuel, Louis, 1889-1892	Kimmel, Joseph, 1879-1881
Rankin, Alfred J., 1878-1879	

Recording Secretaries

- | | |
|---|-------------------------------|
| Cherry, James B., 1879-1880;
1886-1887 | Lohmeyer, Henry, 1899-1907 |
| Gaw, Robert R., 1935-1942 | McClarran, Newton, 1878-1879 |
| Gleim, Perry, 1892-1893 | McGinnis, Frank S., 1942-1947 |
| Jones, Will S., 1889-1892 | Poth, A. Herman, 1897-1899 |
| Koch, Julius A., 1887-1889 | Saalbach, Louis, 1947-1948 |
| Kutscher, George W., 1893-1897 | Thompson, John R., 1907-1920 |
| Wilson, Albert H., 1880-1886 | Walter, Peter G., 1920-1935 |

Financial Secretaries

- | | |
|-------------------------------|-----------------------------|
| Jamison, Samuel C., 1895-1896 | Mierzwa, Richard, 1896-1899 |
|-------------------------------|-----------------------------|

CURATORS OF THE PITTSBURGH COLLEGE
OF PHARMACY

- | | |
|--------------------------------|--|
| Cherry, James B., 1889-1891 | Robertson, Archibald C., 1888-1889 |
| Gleim, Perry M., 1878-1880 | Schaefer, Emil A., 1887-1888;
1891-1893 |
| McAdams, William J., 1897-1906 | Shafer, John A., 1893-1895 |
| Poth, A. Herman, 1895-1897 | Schirmer, William G., 1880-1887 |

REGISTRARS

- | | |
|---|--|
| Saalbach, Carl, PH.G., 1923-1932 | Peterson, Dana R., M.ED., 1946-1947 |
| Carr, Thelma G., A.B., LITT.M.,
(Mrs. Edward C. Reif)
1935-1946 | Dillman, Betty L., (Mrs. E. Kicher)
1947-1951 |
| Zilonis, Ann F., A.B., 1953-1957 | Gibson, Grace E., A.B., 1951-1953 |

LIBRARIANS

- | | |
|---|-----------------------------------|
| Frisbie, Katharine K., A.B.,
1941-1946 | Hutchman, Jean, B.S., 1946-1951 |
| | Nuttall, Dorothy, B.S., 1951-1957 |

MEMBERS OF THE BOARD OF TRUSTEES OR DIRECTORS
OF THE
PITTSBURGH COLLEGE OF PHARMACY

- | | |
|--|--|
| <i>A</i> | Brashear, John A., (Chancellor)
1901-1903 |
| Armor, A., 1880-1881 | Beach, C. H., 1886-1893 |
| <i>B</i> | Beach, W. S., 1879 |
| Bowman, John G., (Chancellor)
1921-1945 | Beal, George D., 1932-1948 |

Beal, James H., 1906-1920
 Beck, John, 1885; 1892-1895
 Bender, A. S., 1879-1882
 Bimber, George, 1896-1900
 Blanck, Hugo, 1885-1886
 Blumenschein, Frederick J.,
 1928-1948
 Brehm, Louis, 1878-1879;
 1892-1893; 1897-1898
 Brill, Wm. H., 1878
 Burkett, Karl S., 1920-1926

C

Carhart, Daniel, 1904
 Cherry, James B., 1878-1879;
 1887-1888
 Craig, Burton L., 1935-1948

D

Davis, W. W., 1890

E

Eggers, Fred H., 1878-1895
 Eggers, Fred W., 1892-1893
 Einstein, Morris, 1888-1936
 Eisenbeis, G., 1878
 Emanuel, Louis, 1878-1940

F

Fahnestock, B. L., 1878-1879
 Finkelpearl, H., 1890-1892
 Fitzgerald, Rufus H., (*Chancellor*)
 1945-1948
 Fleck, F. R., 1878

G

Gaw, Robert R., 1925-1948
 George, Harold W., 1941-1948
 Gicquelais, Louis, 1938-1948
 Gillespie, E. N., 1893-1896
 Glamser, A., 1895-1896
 Gleim, Perry, 1878-1879;
 1886-1887; 1890-1893
 Grunewald, J. T., 1901-1903

H

Harvey, Arthur W., 1938-1945
 Heidenreich, Wm. F., 1899-1905
 Henderson, Joseph, 1878-1879
 Henderson, Randal W., 1909-1924
 Hewitt, Lemuel E., 1894
 Holden, E., 1879
 Holland, Samuel S., 1882-1885

I

Ihrig, Theodore, 1891-1892;
 1895-1898

J

Jones, W. S., 1895
 Judd, Albert F., 1897-1943

K

Kerr, James Jr., 1878, 1882,
 1885-1887
 Kimmel, Joseph, 1886-1888
 Koch, Julius A., 1885-1886;
 1890-1891; 1906-1948
 Koenig, Adolph, 1906
 Kossler, Herman S., 1933-1948
 Kretz, Edward J., 1907-1919
 Kutscher, George W., 1897-1948

L

Lohmeyer, H. L., 1906-1932

M

Mendelson, J. I., 1925-1941
 Mierzwa, Richard, 1895-1911
 Miller, John W., 1890
 Minnick, William G., 1893
 Musselman, D. C., 1894

Mc

McAdams, William J., 1906
 McAleer, J. Stanley, 1947-1948
 McBride, Homer J., 1886-1890
 McClarran, Newton, 1879-1882
 McCormick, Samuel B.,
 (*Chancellor*) 1905-1921

McCulloch, Fred W. M., 1921-1931
 McGann, M. J., 1882, 1895
 McKennan, John T., 1878

N

Neely, J. F., 1887-1898
 Nesbit, W. W., 1879
 Nied, Edward C., 1920-1948

O

O'Connell, C. Leonard, 1933-1948

P

Patrick, E. A., 1897-1905
 Phillips, F. C., 1894-1895
 Phillips, John H., 1946-1948
 Poth, A. H., 1894
 Pritchard, Benjamin E., 1904-1924

R

Reif, Edward C., 1942-1948
 Reiter, William C., 1879
 Robertson, Archibald C., 1879-1892
 Rodemoyer, William E., 1899-1919

S

Saalbach, Carl, 1901, 1907-1932
 Saalbach, Louis, 1896-1900;
 1907-1948
 Schaefer, C. A., 1899-1904
 Schaefer, Charles H., 1942-1945
 Schaefer, Emil A., 1893-1940
 Schiller, Fred, 1944-1948

Schirmer, William, 1878, 1888,
 1894-1895; 1904-1919
 Schmidt, Adolph, 1920-1936
 Schmidt, Henry, 1878-1879; 1882
 Schwarm, Charles, 1878
 Seitz, Fred, 1878
 Shafer, John A., 1895-1903
 Siegfried, Henry J., 1906-1908
 Sims, James C., 1927-1948
 Spilker, H. A., 1904-1905
 Stenger, B. J., 1878-1879
 Stevens, S. Henry, 1878-1879;
 1882; 1891
 Stright, S. A., 1906-1908

T

Thompson, D. C., 1878
 Thompson, John R., 1906-1948
 Totten, Robert M., 1904

U

Urban, Joseph P., 1888;
 1890-1892; 1894

W

Wagner, John H., 1891
 Wallace, John C., 1911-1927
 Walter, Peter G., 1909-1932
 Walther, Charles L., 1887
 Weber, Peter, 1879; 1882; 1886;
 1892; 1896-1898
 Wilson, A. H., 1886
 Wirsing, T. Ray, 1895

CHAIRMEN, BOARD OF TRUSTEES
 THE PITTSBURGH COLLEGE OF PHARMACY

Cherry, James B., 1888-1889
 Fahnestock, B. L., 1878-1879
 Ihrig, Theodore, 1897-1899
 Mierzwa, Richard, 1905-1911
 McClarran, Newton, 1879-1882

Patrick, E. A., 1899-1905
 Robertson, Archibald C.,
 1882-1888; 1889-1893
 Schaefer, Emil A., 1893-1897
 Thompson, John R., 1928-1948

Wallace, John C., 1911-1927

PITTSBURGH COLLEGE OF PHARMACY
REPRESENTATIVES ON THE BOARD OF TRUSTEES
OF THE UNIVERSITY OF PITTSBURGH (PRIOR TO 1908
WESTERN UNIVERSITY OF PENNSYLVANIA)

*Archibald C. Robertson, 1896-1897 John C. Wallace, 1911-1924
Emil A. Schaefer, 1897-1911 *Louis Emanuel, 1924-1936
Robert R. Gaw, 1936-1948

*See *biography under presidents*

ROBERT RALSTON GAW

Robert Ralston Gaw, the son of Robert Ralston and Mary McCredie Gaw, was born in Pittsburgh, Pennsylvania April 19, 1893. He attended the public schools of Pittsburgh graduating from Central High School. He attended The Pittsburgh College of Pharmacy (School of Pharmacy, University of Pittsburgh), graduating in 1914 with the degree of PH.G.

During his college days Mr. Gaw was a member of the varsity baseball team earning his letter in this sport in 1913-1914.

Mr. Gaw served his apprenticeship in pharmacy with McKennan Pharmacy which was owned and managed by Oliver F. Wolf. Mr. Gaw has been continuously associated with McKennan Pharmacy since he began his apprenticeship in 1910 and is now president of the firm. The McKennan Pharmacy was the first professional pharmacy in Pittsburgh. Their policy since its founding is expressed in the statement "Prescriptions, Purveyors to Physicians and their patients only. We do not sell Patent Medicines, Tobaccos, Soda Water or Toilet Articles. All Biologicals, Vaccines, Serums, Ferments, etc. are kept under refrigeration."

Mr. Gaw served as president of the Pennsylvania Pharmaceutical Association (1933-34). He also served for some time as Treasurer of the General Alumni Association of the University of Pittsburgh. He was chairman of the Pharmacy Division of the Cathedral of Learning Drive.

Mr. Gaw was a member of The Pittsburgh College of Pharmacy Corporation from 1920 until the merger of this institution with the University of Pittsburgh in 1948. He also served as a member of the Board of Directors of the corporation.

In 1937 Mr. Gaw was elected to the Board of Trustees of the University of Pittsburgh during which time he was also the representative of The Pittsburgh College of Pharmacy on the Board of Trustees.

Mr. Gaw is a member of the Varsity Letter Club of Pitt, Kappa Psi, Rho Chi and Omicron Delta Kappa Fraternities.

Mr. Gaw married Anne Jackson on November 24, 1927. They had four

children, Patricia Anne Gaw Dorn, Barbara Jean Gaw Ferrall, Mary and Robert John.

EMIL A. SCHAEFER

Emil A. Schaefer was born in Saxonburg, Pennsylvania in August 1865. He completed his elementary and high school education in the schools at New Castle, Pennsylvania and in 1887 he was graduated from The Pittsburgh College of Pharmacy with the degree of PH.G. From that time on he was interested in the progress of the College of Pharmacy. He became a member of the Corporation of The Pittsburgh College of Pharmacy in 1886 and retained this membership until his demise. He served as a member of the Board of Trustees of the College. However, his interest was not limited to the College of Pharmacy for in 1897 he was elected the representative of the College of Pharmacy to serve on the Board of Trustees of the Western University of Pennsylvania, later the University of Pittsburgh and served in this capacity until 1911.

It was largely due to Mr. Schaefer's influence that the College bought its own building.

Mr. Schaefer was an active retail pharmacist and always contributed to pharmacy's progress. For many years he was proprietor of a store at 1436 Fifth Avenue, Pittsburgh, Pennsylvania but when he retired he went to Riverside, California where he resided until his death in 1942.

JOHN CRAWFORD WALLACE

John C. Wallace was born in New Castle, Pennsylvania on July 7, 1859, the son of Dr. James J. and Agnes Davies Wallace.

Dr. Wallace was early interested in pharmacy and became a member of the Pennsylvania Pharmaceutical Association in 1886. He, over a period of years held many of the positions of responsibility in the association and became its president in 1909-1910. He was chairman of the Legislative Committee of the American Pharmaceutical Association, the first chairman of the National Drug Trade Conference, and President of the same organization from 1914-1918. He is considered a pioneer in pharmaceutical legislation. He was the father of the Druggists' Research Bureau.

Dr. Wallace was not only interested in the pharmaceutical societies but was a member of The Pittsburgh College of Pharmacy Corporation from 1910-1927. He was also elected permanent chairman of the Board of Directors of The Pittsburgh College of Pharmacy on November 1, 1910 and served in this capacity until his death in 1927, in fact a period of sixteen years. Not only did he serve on the Board of The Pittsburgh College of Pharmacy but he was elected as the representative of the College of Pharmacy on the Board of Trustees of the University of Pittsburgh on October 3, 1911 and was re-elected May 3, 1921.

For many years Dr. Wallace conducted his own store in his home town of New Castle, Pennsylvania.

The University of Pittsburgh conferred the honorary degree of Doctor of Pharmacy on him, in 1911.

Dr. Wallace is survived by his wife, Mrs. Emma Kempt Wallace and four children, John C. Jr., James J., Margaret, and Dr. William D.

REPRESENTATIVES ON THE BOARD OF THE
PITTSBURGH COLLEGE OF PHARMACY
FROM (WESTERN UNIVERSITY OF PENNSYLVANIA)
AND THE UNIVERSITY OF PITTSBURGH

Chancellor William J. Holland, 1896-1901	Chancellor Samuel B. McCormick, 1904-1920
Acting Chancellor John A. Brashear, 1901-1904	Chancellor John G. Bowman, 1921-1945
	Chancellor Rufus H. Fitzgerald, 1945-1948

WILLIAM J. HOLLAND

Chancellor of Western University of Pennsylvania, now University of Pittsburgh from 1896 until 1901.

William J. Holland was born August 16, 1848 in Bethany near Mandeville, Jamaica, West Indies, the son of Reverend and Mrs. Francis Raymond Holland. His parents were Moravian missionaries from Salem, North Carolina.

Dr. Holland attended the Moravian College and the Theological Seminary, Bethlehem, Pennsylvania in 1867 and in 1869 received the A.B. degree from Amherst College and the A.M. from the same institution in 1872. He also graduated from Princeton Theological Seminary in 1874.

He served as principal at Amherst in Westboro, Mass. from 1869 until 1872. That year he entered the Moravian Ministry and served in churches in Philadelphia and Pittsburgh until 1891 during which time he was pastor of the Bellefield Presbyterian Church for seventeen years.

In 1896 he was made chancellor of the Western University of Pennsylvania and served in this capacity until 1901.

In 1893 he became Director of the Carnegie Institute of Pittsburgh where he remained in that capacity until 1922 when he was made Director Emeritus a position he held until his death in 1932.

He was Vice President of the Carnegie Hero Fund Commission from 1904 to 1922 when he became president. He was also a member of the Carnegie Corporation from 1922 until his death.

As a naturalist he was a member of the United States Eclipse Expedition to Japan in 1887 and to West Africa in 1889.

Dr. Holland was a leading authority in the field of zoology and named and classified as new to science over 1000 species of insects from Africa, Alaska, Indo-Malaysia and points throughout North and South America.

He discovered the remains of the *Diplodocus* in Utah, which was assembled and is now in the Carnegie Museum, Pittsburgh, Pennsylvania. Duplications of this specimen were made for several foreign governments.

In addition to many articles, Dr. Holland was the author of several outstanding books which include: *The Moth Book* (1903), *To the River Platte and Back* (1913), and *The Butterfly Guide* (1915).

As a civic minded individual one of his most important activities was to promote and secure action on the Report of the Pittsburgh Filtration Commission.

During his regime, the Western University of Pennsylvania enlarged its scope, adding several new schools and departments, including electrical and mining engineering, medical and dental, pharmaceutical and legal. In the meantime the student body increased eight fold.

Dr. Holland was the recipient of honorary degrees from Washington and Jefferson College, Amherst College, Dickinson College, Bethany College, St. Andrew's College, New York University, and University of Pittsburgh.

In 1908 he was made *Officier de la Legion d'Honneur* and held similar decorations from the governments of Germany, Austria, Hungary, Italy, Russia, Spain, and Belgium.

He was founder and president of the American Association of Museums and was a member of all of the leading entomological societies in the United States and abroad.

He belonged to the University Club of Pittsburgh, The Cosmos Club of Washington and the Authors Club of New York.

Dr. Holland was an eminent churchman, educator, artist, traveller, scholar, scientist, and public spirited citizen.

Dr. and Mrs. Holland had two children, Moorehead B. Holland and Francis Raymond Holland.

JOHN BRASHEAR

Acting Chancellor, Western University of Pennsylvania, 1901-1904

John Brashear was born in Brownsville, Fayette County, Pennsylvania, on November 24, 1840 and died in Pittsburgh in 1920. He attended the elementary schools of Brownsville, Pennsylvania, and came to Pittsburgh in 1855 where he entered Duffs Mercantile College from which he graduated. As a young man while in the employ of John Snowden and Sons of Brownsville, where he served as an apprentice for three years, he learned a mechanical trade.

Dr. Brashear was next employed from 1859 until the outbreak of the

Civil War in 1861 by Dennis Long Company of Louisville, Kentucky to build engines for water works. He returned to Brownsville for a short time, and then came to Pittsburgh and procured employment in the rolling mill of Zug and Painter where he remained until 1867.

In the meantime he married Phoebe Stewart on September 24, 1862. Encouraged by his wife and with her help he began his career as a maker of precision instruments in his own shop on the South Side. He started construction of his first telescope in 1872, working at the same time for McKnight, Duncan and Company, Birmingham, South Side, Pittsburgh until the panic of 1873.

In 1880, on the invitation of his friend, William Thaw, John Brashear moved his shop to the old observatory then located in the Perrysville district near the head of Buena Vista Street, Allegheny. Here he perfected the spectroscope for astronomical uses.

Dr. Brashear also had time for music. He was a choir leader and an active church member. Had he followed his mother's wishes he would have become a minister. He was also a member of many societies and in 1915 was voted by the people of Pittsburgh, First Citizen of Pittsburgh and Governor Martin Brumbaugh of Pennsylvania then added the title, First Citizen of Pennsylvania.

Dr. Brashear held honorary degrees from Washington and Jefferson College (L.L.D., 1902); Wooster University (L.L.D.), and Western University of Pennsylvania (D.Sc.).

Dr. Brashear served as a member of the Board of Trustees of the Western University of Pennsylvania, later the University of Pittsburgh, from 1891 until his death in 1920. He was acting chancellor of the University from 1901-1904.

Upon the resignation of Dr. W. J. Holland as chancellor of the Western University of Pennsylvania, Dr. Brashear became a member of a committee appointed to find and present nominations for a new chancellor. He became acting chancellor and remained as such until his health began to fail when he resigned.

SAMUEL BLACK MCCORMICK

*Chancellor of Western University of Pennsylvania, now University
of Pittsburgh, 1904-1921*

Samuel Black McCormick was the son of Dr. James Irwin and Rachel Black McCormick. He was born in Westmoreland County, Pennsylvania, on May 6, 1858.

He graduated from Washington and Jefferson College in 1880, with an A.M.; D.D. in 1887; and L.L.D. in 1902.

In 1882 he married Ida May Steep of Washington, Pennsylvania. They had four children, Samuel Black McCormick, Jr.; James R. McCormick; Rachel McCormick; and Mrs. Lloyd W. Smith.

Early in his life he became a teacher. In 1880 he taught in the Canonsburg Academy and in 1881 he taught at Washington and Jefferson College. After he was admitted to the bar in 1882 he practiced law in Pittsburgh for a year and then went to Denver where he practiced until 1887.

He returned to Pittsburgh in 1887 to enter the Western Theological Seminary and he was ordained a Presbyterian Minister in 1890. Dr. McCormick became pastor of the Central Church of Allegheny and remained here until 1894 when he left to become the pastor of the First Presbyterian Church of Omaha where he served until 1897. He was president of Coe College in Iowa from 1897 to 1904, leaving to become chancellor of the Western University of Pennsylvania, later the University of Pittsburgh (1904-1921).

It was through his efforts that the University moved to Schenley Farms in the Oakland district. He too, was responsible for the change in name from Western University of Pennsylvania to University of Pittsburgh.

During his administration Dr. McCormick established new schools in economics, business administration, education, an evening school, and The Mellon Institute was affiliated with the University.

He organized an educational program based on obligations of the institution to the community, raised scholastic standards, and coordinated and integrated the constituent schools.

He was active in educational societies. He had been a trustee of the Carnegie Foundation for the Advancement of Teaching, a life member of the American Association for the Advancement of Science and such others as the Pennsylvania Society of New York, The Victoria Institute, and Sons of the American Revolution. He was also a member of Duquesne, University, Shanopin and Longvue Country Clubs.

Dr. McCormick achieved much for one university and he retired in 1920 as Chancellor Emeritus. He died on April 18, 1928.

JOHN GABBERT BOWMAN

Chancellor, University of Pittsburgh, 1921-1945

John Gabbert Bowman, son of John R. Bowman and Mary A. Gabbert Bowman, was born in Davenport, Iowa, May 18, 1877.

After graduation from high school he attended State University of Iowa, graduating with the A.B. degree in 1899. He also received the A.M. degree in 1904.

Dr. Bowman was a journalist from 1899 to 1901. His academic career began as an instructor in English at the State University of Iowa where he served from 1902-1904. From 1905-1907 he was an instructor at Columbia University. In 1907 he became secretary for the Carnegie Foundation for the Advancement of Teaching in New York and served until 1911.

Dr. Bowman was president of the State University of Iowa from 1911 until 1914 when he became the first Director of the American College of Surgeons whose purpose was to put surgery on a more ethical and scientific basis. During his tenure of office which terminated in 1920, Dr. Bowman developed the American College of Surgeons into an organization which included a large membership of the best surgeons in North and South America.

He was elected chancellor of the University of Pittsburgh on December 1, 1920 and served in this capacity until 1945, when he was made President of the University. In 1947 he was made President Honorarius.

Dr. Bowman was a trustee of the National Board of Medical Examiners from 1915 until 1931 and a consultant on hospitals, United States Treasury Department from 1921 until 1923. He was also a director of the Pittsburgh Chamber of Commerce 1922-1926; a director of Forbes National Bank; chairman of the Board of the Pittsburgh Chemical Warfare Procurement District and trustee of the Henry C. Frick Education Committee.

Dr. Bowman was awarded the following honorary degrees: Coe College, LL.D., 1912; University of Mississippi, LL.D., 1914; Boston University, LL.D., 1927; Rutgers University, LL.D., 1933; University of Pennsylvania, LL.D., 1934; Waynesburg College, LL.D., 1937; Washington and Jefferson College, LL.D., 1944; University of Pittsburgh, LL.D., 1948; Oglethorpe University, LITT.D., 1924; and University of Iowa, LITT.D., 1934.

He was also decorated a member of the Order of St. Sava (Yugoslavia) in 1940.

Dr. Bowman was a contributor to many publications on subjects dealing with education. He was also author of *The World That Was; Notes Along The Way; and Happy All Day Through*.

He was a member of the University, Duquesne, and Longvue Country Clubs and also of the Pittsburgh Athletic Association.

Dr. Bowman was married June 29, 1908 to Florence Ridgway Berry. They had two children, John Ridgway and Florence Ridgway.

Due to the untiring efforts of Dr. Bowman, his vision of an inspiring structure as the keystone of a great educational institution was brought to a realization when the beautiful Cathedral of Learning was built.

RUFUS HENRY FITZGERALD

Chancellor of the University of Pittsburgh, 1945-1955

Rufus H. Fitzgerald was born November 22, 1890 at Pelham, North Carolina, the son of James Obadiah and Mary Reese (Shelton) Fitzgerald.

He attended Guilford College of North Carolina from which he received the B.A. degree in 1911 and in 1919 he received the degree of M.A. from the University of Tennessee.

He was General Secretary of the Y.M.C.A. at Mississippi Agricultural and Mechanical College, 1911-12; General Secretary of the Y.M.C.A. at the University of Tennessee, 1912-16; Athletic coach and director at the University of Tennessee, 1917-18; General Secretary of the Y.M.C.A. at the University of Iowa, 1919-23; Director of the Iowa Memorial Union Corporation of State University of Iowa, 1923-38; Director Student Service, State University of Iowa, 1925-38; Director and Professor in Fine Arts Department, Head of Department of History and Appreciation of Fine Arts, State University of Iowa, 1929-38; Provost, University of Pittsburgh, 1938-42; Vice-Chancellor, University of Pittsburgh, 1942-45; and, Chancellor, University of Pittsburgh, July 1, 1945 until 1955.

He was very active in the affairs of the Association of American Colleges in which he served in the following capacities:

Chairman, Commission on the Arts 1940-50; Commission on War-Time placement of College Faculties; Member of Board of Directors, 1951; Treasurer, 1952-53; Vice President, 1953-54; President, 1954-55.

He also served as President of Urban Universities, 1946-47, and President of Pennsylvania Association of Colleges and Universities, 1949-50.

He was a member of the Committee on Educational Buildings and equipment and also of the Problems and Policies Committee of the American Council on Education.

He also served as Chairman of the Public Parking Authority of Pittsburgh and as a member of the National Committee on Accrediting; the Board of Directors of the Y.M.C.A.; the Pittsburgh Symphony Orchestra; and a Trustee of the Iowa School of Religion.

He was a member of the Newcomen Society of England; Sigma Chi; Phi Kappa Phi (honorary); Omicron Delta Kappa; and Phi Beta Kappa (honorary).

During his regime as chancellor three schools were added to the University: The Graduate School of Public Health, 1948; the Bureau of Retail Training which is now the Graduate School of Retail Training; and the integration of the School of Pharmacy in 1948 which previously was affiliated with the Western University of Pennsylvania in 1896.

Dr. Fitzgerald was the recipient of the following honorary degrees: University of Pennsylvania, 1943, LL.D.; Grove City College, 1945, LL.D.; Waynesburg College, 1946, LL.D.; Carnegie Institute of Technology, 1947, LL.D.; Alfred University, 1948, L.H.D.; Washington and Jefferson College, 1948, HH.D.; Bucknell University, 1949, HH.D.; Davidson College, 1954, LL.D.; and Temple University, 1955, LL.D.

He held membership in the Duquesne Club; Longvue Country Club;

University of Pittsburgh Faculty Club; The Century Association of New York and was also an honorary member of Rotary.

Chancellor Fitzgerald was a daily visitor to the Heinz Memorial Chapel and also made daily visits to one of the Tuck Shops where he was always observed in conversation with students.

On January 31, 1955, Chancellor Fitzgerald was named "Man of the Year" in Pittsburgh by the Junior Chamber of Commerce and in February 1955 he was named by President Eisenhower, Chairman of the State Department Advisory Commission on Education Exchange.

On June 11, 1914 Dr. Fitzgerald married Damie Mildred Cornell. They have two children, Helen Cornell (Mrs. G. H. Bethel) and Damie Mildred (Mrs. R. W. Brownlee).

REPRESENTATIVES OF THE PITTSBURGH COLLEGE OF
PHARMACY AND ALUMNI SERVING ON THE STATE
PHARMACEUTICAL EXAMINING BOARD
OF PENNSYLVANIA

Frederick H. Eggers, 1887-1891

Was Treasurer during this period

Dr. Louis Emanuel, 1891-1924

Served as President from 1895 until 1901

Served as President from 1903 until 1924

Board known as The Pennsylvania Board of Pharmacy

Charles C. Campbell, (1897) 1924-1936

Chairman from 1924 until 1931

The Board became known as The State Board of Pharmacy in 1929.

Office of President was discontinued and the New Title was Chairman.

Dr. Frederick J. Blumenschein, (1904) 1936-1942

Served as Chairman from 1936 until 1942

George Louis Kiefer, (1920) 1936-1942

Edwin S. Rowse, (1906) 1942-1951

Served as Chairman from 1942 until 1943

Edward C. Ifft, (1926) 1951-1955

Served as Chairman from 1952 until 1953

S. Bascombe Alloway, (1915) 1951-1955

Served as Chairman from 1954 until 1955

DEANS OF THE PITTSBURGH COLLEGE OF PHARMACY,

which in 1896 affiliated with the Western University of Pennsylvania and identified itself as the College of Pharmacy of the Western University of Pennsylvania. The Western University of Pennsylvania became the University of Pittsburgh in 1909 and the School of Pharmacy was identified as the School of Pharmacy of the University of Pittsburgh. In 1948 The Pittsburgh College of Pharmacy merged with the University of Pittsburgh and became known as the University of Pittsburgh School of Pharmacy. The first dean was appointed in 1891.

JULIUS ARNOLD KOCH
the first dean, 1891-1932

Julius Arnold Koch was born in Bremen, Germany in 1864 while his parents, Arnold and Amanda Wenke Koch, were on a visit to their native land.

Julius Arnold Koch graduated from The Pittsburgh College of Pharmacy in 1884 into a life dominated by pharmaceutical education and characterized by distinguished endeavors toward its advancement.

Having been associated with his father in the drug business for several years before and after his graduation, Dr. Koch accepted, in 1891, the chair of pharmacy and the Deanship of The Pittsburgh College of Pharmacy. During his first decade as Dean he renewed his interest in chemistry, which had influenced him to take a special course before becoming dean, from Professor Hugo Blanck. In 1896 he took up special work in organic chemistry in Munich under Adolph V. Baeyer and in 1897 under Gatterman and Victor Meyer in Heidelberg. The result of this research study was that he accomplished the synthesis of aromatic aldehydes by the Friedele Crafts' reaction, thereafter called the Gatterman-Koch synthesis, which is familiar to most workers in the field of organic chemistry.

Dr. Koch took over the chair of Organic Chemistry in 1900 and, in 1903, that of Chemistry and Director of the Chemical Laboratories, having meanwhile (1901) also been appointed Professor of Chemistry and Director of the Chemical Laboratories of the Department of Medicine at the Western University of Pennsylvania, later the University of Pittsburgh, a position which he held until 1912. During this time he also took further work leading toward graduate degrees, receiving his PH.D. from Scio in 1905. He was awarded the SC.D. (honorary) degree from Washington and Jefferson in 1907.

Dr. Koch was always active in the advancement of Pharmaceutical education, having been Chairman of the Executive Committee of the American Conference of Pharmaceutical Faculties from 1907 to 1919, in which position his efforts were largely directed toward the standardization of pharmaceutical degrees.

He was president of the American Pharmaceutical Association in 1923. Prior to that time he had been president of the Pennsylvania Pharmaceutical Association (1904-5) and editor of the American Pharmaceutical Association Yearbooks (1914, 1915, and 1916). He was a member of the college corporation and board of directors until the merger—a life membership, in fact, lasting from 1899 to 1948. Dr. Koch was also a member of other state, national and international scientific organizations, and, during his active administrative and teaching career, he was always a participant in their deliberations.

In 1889 Dr. Koch married Albertina Strunz. They had three daughters, Adele, Florence, and Elsa. After the death of Mrs. Koch, Dr. Koch married Alice Cope in 1927.

In 1932 Dr. Koch retired from teaching and administration and was made Dean Emeritus. After retirement, Dr. and Mrs. Koch lived in Ocala, Florida, until their deaths.

It can be truthfully said of the first dean that he made pharmaceutical history.

C. LEONARD O'CONNELL
the second dean, 1932-1945

C. Leonard O'Connell was born in Allegheny, Pennsylvania on April 24, 1890. He was the son of the late John H. and Charlotte Mullen O'Connell. Dr. O'Connell began his career in retail pharmacy, having spent his time from 1906 to 1922, before entering the educational field, in various phases of retail work, including actual drug store selling, as well as on the sales force of a wholesale firm and as a merchandise broker and manufacturer's agent.

In 1922 he was invited to return to his alma mater, from which he had received his PH.G. degree in 1912, as a member of the chemistry faculty of the College of Pharmacy. He was made Professor of Pharmacy and Director of Courses in Pharmaceutical Economics in 1926 and became Associate Dean of the College in 1930. In 1932, when Dr. Koch retired, Dr. O'Connell was elected Dean.

He was very active in state and national pharmaceutical and alumni work, being the first president of the Pharmacy Unit of the Alumni Association (1931). He also served as chairman of various committees in state and national associations, and as president of the Pennsylvania Pharmaceutical Association (1929-1931). As a member of the Revision Committee for the United States Pharmacopoeia from 1940-1950, and as a member of the International Federation, he had active association with his chosen field. He was particularly interested in Kappa Psi and was elected to the position of Grand Regent of this pharmaceutical fraternity in December 1941. His activities outside the pharmaceutical field included a term as president of the Civic Club of Alle-

gheny County and chairman of the Board of Managers of the Juvenile Detention Home.

Dr. O'Connell received his A.B. in 1916 and his PHAR.D. in 1932. He also held an honorary PHAR.M. from The Philadelphia College of Pharmacy.

Due to ill health, he was made Dean Emeritus on May 31, 1945. His books, *Manual on Pharmaceutical Law* and *Manual on Pharmaceutical Technique*, however, are still used as reference texts in pharmacy schools throughout the country.

Dr. O'Connell married Florence Parlyne Sheridan in 1920. They had four sons, C. Leonard, Jr., M.D., John F. Regis, William S. and Richard.

Dr. and Mrs. O'Connell died during 1958.

EDWARD CLARENCE REIF
the third dean, 1945-1958

Edward C. Reif was born in Allegheny, Pennsylvania on January 8, 1888, the son of Edward Mathias and Julia Frances Hess Reif.

His preliminary education was attained in the public schools of Allegheny. He was graduated from The Pittsburgh College of Pharmacy (College of Pharmacy of the Western University of Pennsylvania now the University of Pittsburgh) in 1906, with the degree of PH.G. He was granted the degree of PH.C. in 1916 and the degree of PHAR.D. in 1919 from the same institution.

From the beginning of his apprenticeship in pharmacy he was engaged in retail pharmacy until 1914 when he became Chief Pharmacist at the McKeesport Hospital, McKeesport, Pennsylvania. During his service at McKeesport Hospital which terminated in 1917, he was also assistant in the clinical laboratories of the hospital as well as lecturer in *Materia Medica* in the Nurses Training School.

Dr. Reif entered the armed forces during World War I (1917) and was first assigned to the Medical Corps at the Post Hospital, Fortress Monroe, Virginia. He was next transferred to the pharmacological division of the Defense Section of Chemical Warfare Services located at the American University, Washington, D. C. After the war he was commissioned as First Lieutenant in Sanitary Corps in the Army of the United States.

Upon his return from the service in December 1918 he was appointed Assistant in Chemistry at The Pittsburgh College of Pharmacy.

He was subsequently promoted to Assistant Professor of *Materia Medica* in 1923, Professor of Physiology in 1925, Professor of *Materia Medica* and Botany in 1933. In 1942 he was made Acting Dean and in 1945, Dean and Professor of Pharmacology.

Dr. Reif was Associate Director of the Lake School of Biology, Thiel College, 1923-1924 and also did specialized work at Thiel College, Post

Graduate Hospital at Chicago, University of Michigan, and Stanford University Medical School.

Since 1920 he has been consultant pharmacologist to the staff of St. Johns General Hospital and for many years served as Chairman of the Curriculum Committee of the Training School for Nurses of that institution. He was also a lecturer at the University of Pittsburgh Medical School and was a member of the Advisory Staff of the Western Psychiatric Institute and Clinic.

Dr. Reif is a member of the Council of the Academy of Science and Art of Pittsburgh. He is also a member of the American Association for the Advancement of Science, the Pennsylvania Pharmaceutical Association (Life), the American Pharmaceutical Association, Rho Chi Pharmaceutical Society, Alpha Zeta Omega Fraternity (honorary), Phi Sigma Fraternity, Omicron Delta Kappa Circle, Sigma Xi Society, Kappa Psi Pharmaceutical Fraternity, and The New York Academy of Sciences.

From 1952 until 1955 he was a member of the Executive Committee of the American Association of Colleges of Pharmacy and was president of the Association 1953-1954.

He has contributed many articles to pharmaceutical literature, especially in the field of pharmacology and is the author of *Laboratory Manual of Introductory Pharmacology and Bioassay*.

On November 17, 1954, Dr. Reif was awarded a plaque by the Allegheny County Pharmaceutical Association, "In recognition of outstanding contributions in the development of Pharmacy."

In 1920, Dr. Reif married Isabel Noble Adams (deceased 1938). They had one child Edward Adams Reif. In 1946 he married Thelma G. Carr.

It was through his unstinted efforts that The Pittsburgh College of Pharmacy was merged with the University of Pittsburgh in 1948 and also to take its place as one of the professional schools to occupy the new building which houses the Schools of the Health Professions. Dr. Reif retired in 1958 when he was made Emeritus Dean and Emeritus Professor of Pharmacology.

1884-1885

S. Henry Stevens, M.D., *Professor of Pharmacy*
G. W. Allyn, M.D., *Professor of Materia Medica and Botany*
Hugo Blanck, PH.D., *Professor of Chemistry*

1885-1886

S. Henry Stevens, M.D., *Professor of Practical Pharmacy*
Adolph Koenig, M.D., *Professor of Materia Medica and Botany*
Hugo Blanck, PH.D., *Professor of Chemistry*

1886-1887

S. Henry Stevens, M.D., *Professor of Practical Pharmacy*
Adolph Koenig, M.D., *Professor of Materia Medica and Botany*
Hugo Blanck, PH.D., *Professor of Chemistry*

1887-1888

S. Henry Stevens, M.D., *Professor of Practical Pharmacy*
Adolph Koenig, M.D., *Professor of Materia Medica and Botany*
Hugo Blanck, PH.D., *Professor of Chemistry*

1888-1889

S. Henry Stevens, M.D., *Professor of Practical Pharmacy*
Hugo Blanck, PH.D., *Professor of Chemistry*
Adolph Koenig, M.D., *Professor of Materia Medica and Botany*

1889-1890

S. Henry Stevens, M.D., *Professor of Practical Pharmacy*
Hugo Blanck, PH.D., *Professor of Chemistry*
Adolph Koenig, M.D., *Professor of Materia Medica and Botany*

1890-1891

S. Henry Stevens, M.D., *Professor of Pharmacy*
Hugo Blanck, PH.D., *Professor of Chemistry*
Adolph Koenig, M.D., *Professor of Materia Medica and Botany*

1891-1892

Julius A. Koch, PH.G., *Dean of the College, Professor of Pharmacy*
Hugo Blanck, PH.D., *Professor of Chemistry*
Adolph Koenig, M.D., *Professor of Materia Medica and Botany*

1892-1893

Julius A. Koch, PH.G., *Dean of the Faculty, Professor of Theory and Practice of Pharmacy, and Director of the Pharmaceutical Laboratory*

Hugo Blanck, PH.D., *Professor of Organic Chemistry*

Louis Emanuel, PH.G., *Professor of Physics and Inorganic Chemistry and Director of the Chemical Laboratory*

Adolph Koenig, M.D., *Professor of Materia Medica and Botany*

Gustave Guttenberg, A.B., *Professor of Microscopy*

Quiz Masters

John A. Shafer, PH.G., *Materia Medica and Botany*

E. V. Weller, PH.G., *Pharmacy*

A. Herman Poth, PH.G., *Chemistry*

1893-1894

Julius A. Koch, PH.G., *Dean of the Faculty, Professor of Theory and Practice of Pharmacy, and Director of the Pharmaceutical Laboratory*

Frederick T. Aschman, PH.B., *Professor of Chemistry and Director of the Chemical Laboratory*

Adolph Koenig, M.D., *Professor of Materia Medica and Botany*

Gustave Guttenberg, A.B., *Professor of Microscopy*

Assistants to the Professors

John A. Shafer, PH.G., *Materia Medica and Botany*

A. Herman Poth, PH.G., *Pharmacy*

John C. Campbell, PH.G., *Chemistry*

1894-1895

Julius A. Koch, PH.G., *Dean of the Faculty, Professor of Theory and Practice of Pharmacy, and Director of the Pharmaceutical Laboratory*

Frederick T. Aschman, PH.B., *Professor of Chemistry and Director of the Chemical Laboratory*

Adolph Koenig, M.D., *Professor of Materia Medica and Botany*

Gustave Guttenberg, A.B., *Professor of Microscopy*

Assistants to the Professors

John A. Shafer, PH.G., *Materia Medica and Botany*

A. Herman Poth, PH.G., *Pharmacy*

Frederick Brehm, PH.G., *Chemistry*

1895-1896

Julius A. Koch, PH.G., *Dean of the Faculty, Professor of Theory and Practice of Pharmacy, and Director of the Pharmaceutical Laboratories*

Frederick T. Aschman, PH.B., *Professor of Chemistry and Director of the Chemical Laboratories*

Adolph Koenig, M.D., *Professor of Materia Medica and Botany*

Gustave Guttenberg, A.B., *Professor of Microscopy*

Richard A. Skalweit, *Professor of Latin*

Thomas Stephen Brown, A.B.,

Lecturer on Pharmaceutical Law and Jurisprudence

Assistants to the Professors

John A. Shafer, PH.G., *Materia Medica and Botany*

Howard Allen Miller, PH.G., *Pharmacy*

Frederick Brehm, PH.G., *Chemistry*

1896-1897

William J. Holland, PH.D., D.D., *Chancellor of the University*

Julius A. Koch, PH.G., *Dean of the Faculty, Professor of Theory and Practice of Pharmacy, and Director of the Pharmaceutical Laboratories*

Frederick T. Aschman, PH.B., *Professor of Chemistry and Director of the Chemical Laboratories*

Adolph Koenig, M.D., *Professor of Materia Medica and Botany*

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John A. Shafer, PH.G., *Materia Medica and Botany*

William J. McAdams, PH.G., *Pharmacy*

Louis Saalbach, PH.G., *Chemistry*

1897-1898

William J. Holland, PH.D., D.D., *Chancellor of the University*

Julius A. Koch, PHAR.D., *Dean, Professor of Theory and Practice of Pharmacy, and Director of the Pharmaceutical Laboratories*

Frederick T. Aschman, PH.B., PHAR.D., *Professor of Chemistry and Director of the Chemical Laboratories*

Adolph Koenig, M.D., PHAR.D., *Professor of Materia Medica and Botany*

William J. McAdams, PH.G., *Professor of Microscopy*

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Thomas Stephen Brown, A.B.,

Lecturer on Pharmaceutical Law and Jurisprudence

Assistants to the Professors

Albert F. Judd, PH.G., *Materia Medica and Botany*

William L. Sutter, PH.G., *Pharmacy*

Louis Saalbach, PH.G., *Chemistry*

1898-1899

- William J. Holland, PH.D., D.D., *Chancellor of the University*
 Julius A. Koch, PHAR.D., *Dean, Professor of Theory and Practice of Pharmacy,
 and Director of the Pharmaceutical Laboratories*
 Frederick T. Aschman, PH.B., PHAR.D., *Professor of Chemistry and Director of
 the Chemical Laboratories*
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 Thomas Stephen Brown, A.B.,
Lecturer on Pharmaceutical Law and Jurisprudence
Assistants to the Professors
 Albert F. Judd, PH.G., *Materia Medica and Botany*
 William L. Sutter, PH.G., *Pharmacy*
 Louis Saalbach, PH.G., *Chemistry*

1899-1900

- William J. Holland, PH.D., D.D., *Chancellor of the University*
 Julius A. Koch, PHAR.D., *Dean, Professor of Theory and Practice of Pharmacy,
 and Director of the Pharmaceutical Laboratories*
 Frederick T. Aschman, PH.B., PHAR.D., *Professor of Chemistry and Director of
 the Chemical Laboratories*
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 Richard A. Skalweit, *Professor of Latin*
 Thomas S. Brown, ESQ., *Lecturer on Pharmaceutical Law and Jurisprudence*
Assistants to the Professors
 Albert F. Judd, PH.G., *Materia Medica and Botany*
 William L. Sutter, PH.G., *Pharmacy*
 Louis Saalbach, PH.G., *Chemistry*

1900-1901

- William J. Holland, PH.D., D.D., *Chancellor of the University*
 Julius A. Koch, PHAR.D., *Dean, Professor of Theory and Practice of Pharmacy
 and Director of the Pharmaceutical Laboratories*
 Frederick T. Aschman, PH.B., PHAR.D., *Professor of Chemistry and Director of
 the Chemical Laboratories*
 Adolph Koenig, M.D., PHAR.D., *Professor of Materia Medica and Botany*
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 Richard A. Skalweit, *Professor of Latin*
 Thomas S. Brown, A.B., *Lecturer on Pharmaceutical Law and Jurisprudence*

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Albert F. Judd, PH.G., *Materia Medica and Botany*

William L. Sutter, PH.G., *Pharmacy*

Edgar Kimmel Shumaker, PH.G., *Chemistry*

1901-1902

John A. Brashear, SC.D., *Acting Chancellor of the University*

Julius A. Koch, PHAR.D., *Professor of Theory and Practice of Pharmacy, and
Director of the Pharmaceutical Laboratories*

Frederick T. Aschman, PH.B., PHAR.D., *Professor of Chemistry and Director of
the Chemical Laboratories*

Adolph Koenig, M.D., PHAR.D., *Professor of Materia Medica and Botany*

James H. Beal, SC.D., PH.G., *Professor of Applied Pharmacy*

William J. McAdams, PH.G., M.D., *Professor of Microscopy*

S. S. Popoff, *Professor of Latin*

Thomas S. Brown, M.A., *Lecturer on Pharmaceutical Law and Jurisprudence*

Assistants to the Professors

Albert F. Judd, PH.G., *Materia Medica and Botany*

William L. Sutter, PH.G., *Pharmacy*

Edgar Kimmel Shumaker, PH.G., *Chemistry*

1902-1903

John A. Brashear, SC.D., *Acting Chancellor of the University*

Julius A. Koch, PHAR.D., *Dean, Professor of Theory and Practice of Pharmacy*

Frederick T. Aschman, PH.B., PHAR.D., *Professor of Chemistry and Director of
the Chemical Laboratories*

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James H. Beal, SC.D., PHAR.D., *Professor of Applied Pharmacy*

William J. McAdams, PH.G., M.D., *Professor of Microscopy*

....., *Professor of Latin*

Thomas S. Brown, M.A., *Lecturer on Pharmaceutical Law and Jurisprudence*

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Albert F. Judd, PH.G., *Materia Medica and Botany*

Edgar T. Morgan, PH.G., *Pharmacy*

Dovage E. Lewis, PH.G., *Chemistry*

1903-1904

John A. Brashear, SC.D., *Acting Chancellor of the University*

Julius A. Koch, PHAR.D., *Dean, Professor of Theory and Practice of Pharmacy*

Frederick T. Aschman, PH.B., PHAR.D., *Professor of Chemistry and Director of
the Chemical Laboratories*

Adolph Koenig, M.D., PHAR.D., *Professor of Materia Medica*
 James H. Beal, SC.D., PHAR.D., *Professor of Applied Pharmacy*
 William J. McAdams, PH.G., M.D., *Professor of Microscopy*
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 Thomas S. Brown, M.A., *Lecturer on Pharmaceutical Law and Jurisprudence*

Assistants to the Professors

Albert F. Judd, PH.G., *Materia Medica*
 Edgar T. Morgan, PH.G., *Pharmacy*
 Dovage E. Lewis, PH.G., *Chemistry*

1904-1905

Samuel B. McCormick, LL.D., D.D., *Chancellor of the University*
 Julius A. Koch, PHAR.D., *Dean, Professor of Theory and Practice of Pharmacy*
 Frederick T. Aschman, PH.B., PHAR.D., *Professor of Chemistry and Director of the Chemical Laboratories*

Adolph Koenig, M.D., PHAR.D., *Professor of Materia Medica*
 James H. Beal, SC.D., PHAR.D., *Professor of Applied Pharmacy*
 William J. McAdams, PH.G., M.D., *Professor of Microscopy and Pharmacognosy*
 Albert F. Judd, PHAR.D., *Professor of Botany and Latin*
 Thomas S. Brown, M.A., *Lecturer on Pharmaceutical Law and Jurisprudence*

Assistants to the Professors

A. Roy Lanning, PH.G., *Materia Medica*
 Edgar T. Morgan, PH.G., *Pharmacy*
 Herman S. Kossler, PH.G., *Chemistry*

1905-1906

Samuel B. McCormick, LL.D., D.D., *Chancellor of the University*
 Julius A. Koch, PHAR.D., *Dean, Professor of Physics and Chemistry, and Director of the Chemical Laboratories*

James H. Beal, SC.D., PHAR.D., *Professor of Theoretical and Applied Pharmacy and Director of the Pharmaceutical Laboratories*
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Edgar T. Morgan, PH.G., *Pharmacy*

Herman S. Kossler, PH.G., *Chemistry*

Frederick J. Blumenschein, PHAR.D., *Pharmacognosy and Bacteriology*

1906-1907

Samuel B. McCormick, LL.D., D.D., *Chancellor of the University*

Julius A. Koch, PH.D., PHAR.D., *Dean, Professor of Physics and Chemistry, and
Director of the Chemical Laboratories*

James H. Beal, SC.D., PHAR.D., *Professor of Theoretical and Applied Pharmacy
and Director of the Pharmaceutical Laboratories*

Frederick T. Aschman, PH.B., PHAR.D., *Professor of Chemistry*

Adolph Koenig, M.D., PHAR.D., *Emeritus Professor of Materia Medica and
Botany, and Professor of Physiology*

William J. McAdams, PHAR.D., M.D.,

Professor of Pharmacognosy and Bacteriology

Albert F. Judd, PHAR.D., *Professor of Botany and Materia Medica*

A. Roy Lanning, PH.C., *Professor of Latin*

Thomas S. Brown, M.A., *Lecturer on Pharmaceutical Law and Jurisprudence*

Assistants to the Professors

A. Roy Lanning, PH.C., *Materia Medica*

Edgar T. Morgan, PH.G., *Pharmacy*

Louis Saalbach, PH.G., *Chemistry*

Frederick J. Blumenschein, PHAR.D., *Pharmacognosy and Bacteriology*

1907-1908

Samuel B. McCormick, LL.D., D.D., *Chancellor of the University*

Julius A. Koch, PH.D., PHAR.D., SC.D., *Dean, Professor of Physics and Chemistry
and Director of the Chemical Laboratories*

James H. Beal, SC.D., PHAR.D., *Professor of Applied Pharmacy*

Frederick T. Aschman, PH.B., PHAR.D., *Professor of Chemistry*

Adolph Koenig, M.D., PHAR.D., *Emeritus Professor of Materia Medica and
Botany, and Professor of Physiology*

William J. McAdams, PHAR.D., M.D.,

Professor of Pharmacognosy and Bacteriology

Albert F. Judd, PHAR.D., *Professor of Botany and Materia Medica*

Louis Saalbach, PH.G., *Professor of Pharmacy and Director of the Pharmaceu-
tical Laboratories*

Peter G. Walter, PHAR.D., *Professor of Latin*

Herman S. Kossler, PHAR.D., *Instructor in Pharmaceutical Arithmetic*

Thomas S. Brown, M.A., *Lecturer on Pharmaceutical Law and Jurisprudence*

Assistants to the Professors

- Frederick J. Blumenschein, PHAR.D., *Pharmacy*
J. Bert Holsopple, PHAR.D., *Chemistry*
Leasure K. Darbaker, PH.G., *Materia Medica, Pharmacognosy, and Bacteriology*

1908-1909

- Samuel B. McCormick, LL.D., D.D., *Chancellor of the University*
Julius A. Koch, PH.D., PHAR.D., SC.D., *Dean, Professor of Physics and Chemistry, and Director of the Chemical Laboratories*
James H. Beal, SC.D., PHAR.D., *Professor of Applied Pharmacy*
Frederick T. Aschman, PH.B., PHAR.D., *Professor of Chemistry*
Adolph Koenig, M.D., PHAR.D., *Emeritus Professor of Materia Medica and Botany and Professor of Physiology*
William J. McAdams, PHAR.D., M.D.,
Professor of Pharmacognosy and Bacteriology
Albert F. Judd, PHAR.D., *Professor of Botany and Materia Medica*
Louis Saalbach, PHAR.D., *Professor of Pharmacy and Director of the Pharmaceutical Laboratories*
Herman S. Kossler, PHAR.D., *Instructor in Pharmaceutical Arithmetic*
Thomas S. Brown, M.A., *Lecturer on Pharmaceutical Law and Jurisprudence*

Assistants to the Professors

- Frederick J. Blumenschein, PHAR.D., *Pharmacy*
Leasure K. Darbaker, PH.G., *Materia Medica, Pharmacognosy, and Bacteriology*
J. Bert Holsopple, PHAR.D., *Chemistry*

1909-1910

- Samuel B. McCormick, LL.D., D.D., *Chancellor of the University*
Julius A. Koch, PH.D., PHAR.D., SC.D., *Dean, Professor of Physics and Chemistry, and Director of the Chemical Laboratories*
James H. Beal, SC.D., PHAR.D., *Professor of Theory and Practice of Pharmacy*
Frederick T. Aschman, PH.B., PHAR.D., *Professor of Chemistry*
Adolph Koenig, M.D., PHAR.D., *Emeritus Professor of Materia Medica and Botany, and Professor of Physiology*
William J. McAdams, PHAR.D., M.D.,
Professor of Pharmacognosy and Bacteriology
Albert F. Judd, PHAR.D., *Professor of Botany and Materia Medica*
Louis Saalbach, PHAR.D., *Professor of Applied Pharmacy and Director of the Pharmaceutical Laboratories*
J. Bert Holsopple, PHAR.D., *Professor of Latin*
Herman S. Kossler, PHAR.D., *Instructor in Pharmaceutical Arithmetic*
Thomas S. Brown, M.A., *Lecturer on Pharmaceutical Law and Jurisprudence*

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Frederick J. Blumenschein, PHAR.D., *Pharmacy*

J. Bert Holsopple, PHAR.D., *Chemistry*

Leasure K. Darbaker, PH.G., *Materia Medica, Pharmacognosy, and Bacteriology*

Herman G. Blank, PHAR.D., *Assistant in the Food and Drug Laboratory*

1910-1911

Samuel B. McCormick, LL.D., D.D., *Chancellor of the University*

Julius A. Koch, PH.D., PHAR.D., SC.D., *Dean, Professor of Physics and Chemistry
and Director of the Chemical Laboratories*

James H. Beal, SC.D., PHAR.D., *Professor of Theory and Practice of Pharmacy*

Frederick T. Aschman, PH.B., PHAR.D., *Professor of Chemistry*

Adolph Koenig, M.D., PHAR.D., *Emeritus Professor of Materia Medica and
Botany, and Professor of Physiology*

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Professor of Pharmacognosy and Bacteriology

Albert F. Judd, PHAR.D., *Professor of Botany and Materia Medica*

Louis Saalbach, PHAR.D., *Professor of Applied Pharmacy and Director of the
Pharmaceutical Laboratories*

J. Bert Holsopple, PHAR.D., *Professor of Latin*

Herman S. Kossler, PHAR.D., *Instructor in Pharmaceutical Arithmetic*

....., *Lecturer on Pharmaceutical Law and Jurisprudence*

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Leasure K. Darbaker, PHAR.D.,
Materia Medica, Pharmacognosy, and Bacteriology

J. Bert Holsopple, PHAR.D., *Chemistry*

Herman G. Blank, PHAR.D., *Assistant in the Food and Drug Laboratory*

1911-1912

Samuel B. McCormick, LL.D., D.D., *Chancellor of the University*

Julius A. Koch, PH.D., PHAR.D., SC.D., *Dean, Professor of Physics and Chemistry
and Director of the Chemical Laboratories*

James H. Beal, SC.D., PHAR.D., *Vice-Dean, Professor of Theory and Practice of
Pharmacy, and Director of the Food Laboratories*

Frederick T. Aschman, PH.B., PHAR.D., *Professor of Chemistry*

Adolph Koenig, M.D., PHAR.D., *Emeritus Professor of Materia Medica and
Botany, and Professor of Physiology*

Leasure Kline Darbaker, PHAR.D., *Professor of Pharmacognosy and Bacteriology*

Albert F. Judd, PHAR.D., *Professor of Botany and Materia Medica*

Louis Saalbach, PHAR.D., *Professor of Applied Pharmacy and Director of the
Pharmaceutical Laboratories*

J. Bert Holsopple, PHAR.D., *Professor of Latin*
Herman S. Kossler, PHAR.D., *Instructor in Pharmaceutical Arithmetic*
....., *Lecturer on Pharmaceutical Law and Jurisprudence*

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J. Bert Holsopple, PHAR.D., *Chemistry*
Leasure K. Darbaker, PHAR.D., *Materia Medica*
John Herman Wurdack, PHAR.D., *Assistant in the Food and Drug Laboratory*

1912-1913

Samuel B. McCormick, LL.D., D.D., *Chancellor of the University*
Julius A. Koch, PH.D., PHAR.D., SC.D., *Dean, Professor of Physics and Chemistry*
and Director of the Chemical Laboratories
James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy and Lecturer on*
Pharmaceutical Jurisprudence
Frederick T. Aschman, PH.B., PHAR.D., *Professor of Chemistry*
Frederick A. Rhodes, M.D., *Professor of Physiology*
Albert F. Judd, PHAR.D., *Professor of Botany and Materia Medica*
Louis Saalbach, PHAR.D., *Professor of Pharmacy and Director of the Pharma-*
ceutical Laboratories
Leasure Kline Darbaker, PHAR.D., *Professor of Pharmacognosy and Bacteriology*
J. Bert Holsopple, PHAR.D., *Professor of Latin*
Herman S. Kossler, PHAR.D., *Instructor in Pharmaceutical Arithmetic*

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J. Bert Holsopple, PHAR.D., *Chemistry*
Leasure K. Darbaker, PHAR.D., *Materia Medica*
John Herman Wurdack, PHAR.D., *Assistant in the Food and Drug Laboratory*

1913-1914

Samuel B. McCormick, LL.D., D.D., *Chancellor of the University*
Julius A. Koch, PH.D., PHAR.D., SC.D., *Dean, Professor of Physics and Chemistry*
and Director of the Chemical Laboratories
James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy and Lecturer on*
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Frederick A. Rhodes, M.D., *Professor of Physiology*
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Louis Saalbach, PHAR.D., *Professor of Pharmacy and Director of the Pharma-*
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Assistants to the Professors

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J. Bert Holsopple, PHAR.D., *Chemistry*

Leasure K. Darbaker, PHAR.D., *Materia Medica*

John Herman Wurdack, PHAR.D., *Assistant in the Food and Drug Laboratory*

1914-1915

Samuel B. McCormick, LL.D., D.D., *Chancellor of the University*

Julius A. Koch, PH.D., PHAR.D., SC.D., *Dean, Professor of Physics and Chemistry and Director of the Chemical Laboratories*

James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy and Lecturer on Pharmaceutical Jurisprudence*

Frederick T. Aschman, PH.B., PHAR.D., *Professor of Chemistry*

Frederick A. Rhodes, M.D., *Professor of Physiology*

Albert F. Judd, PHAR.D., *Professor of Botany and Materia Medica*

Louis Saalbach, PHAR.D., *Professor of Pharmacy and Director of the Pharmaceutical Laboratories*

Leasure Kline Darbaker, PHAR.D., *Professor of Pharmacognosy and Bacteriology*

Frederick J. Blumenschein, PHAR.D., *Associate Professor of Pharmacy*

John Herman Wurdack, PHAR.D., *Instructor in Latin and Assistant to the Chair of Chemistry*

Herman S. Kossler, PHAR.D., *Instructor in Pharmaceutical Arithmetic*

1915-1916

Samuel B. McCormick, LL.D., D.D., *Chancellor of the University*

Julius A. Koch, PH.D., PHAR.D., SC.D., *Dean, Professor of Physics and Chemistry, and Director of the Chemical Laboratories*

James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy and Lecturer on Pharmaceutical Jurisprudence*

Frederick T. Aschman, PH.B., PHAR.D., *Professor of Chemistry*

Frederick A. Rhodes, M.D., *Professor of Physiology*

Albert F. Judd, PHAR.D., *Professor of Botany and Materia Medica*

Louis Saalbach, PHAR.D., *Professor of Pharmacy and Director of the Pharmaceutical Laboratories*

Leasure Kline Darbaker, PHAR.D.,

Professor of Pharmacognosy and Bacteriology

Frederick J. Blumenschein, PHAR.D., *Associate Professor of Pharmacy*

John Herman Wurdack, PHAR.D., *Instructor in Latin and Assistant to the Chair of Chemistry*

Herman S. Kossler, PHAR.D., *Instructor in Pharmaceutical Arithmetic*

Karl Shaw Burkett, PHAR.D., *Assistant in Botany and Pharmacognosy*

1916-1917

Samuel B. McCormick, LL.D., D.D., *Chancellor of the University*

Julius A. Koch, PH.D., PHAR.D., SC.D., *Dean, Professor of Physics and Chemistry, and Director of the Chemical Laboratories*

James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy and Lecturer on Pharmaceutical Jurisprudence*

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Frederick J. Blumenschein, PHAR.D., *Associate Professor of Pharmacy*

John Herman Wurdack, PHAR.D., *Instructor in Latin and Assistant to the Chair of Chemistry*

Herman S. Kossler, PHAR.D., *Instructor in Pharmaceutical Arithmetic*

Karl Shaw Burkett, PHAR.D., *Assistant in Botany and Pharmacognosy*

1917-1918

Samuel B. McCormick, LL.D., D.D., *Chancellor of the University*

Julius A. Koch, PH.D., PHAR.D., SC.D., *Dean, Professor of Physics and Chemistry and Director of the Chemical Laboratories*

James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy and Lecturer on Pharmaceutical Jurisprudence*

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Leasure Kline Darbaker, PHAR.D., *Professor of Pharmacognosy and Bacteriology*

Frederick J. Blumenschein, PHAR.D., *Associate Professor of Pharmacy*

John Herman Wurdack, PHAR.D., *Instructor in Latin and Assistant to Chair of Chemistry*

Herman S. Kossler, PHAR.D., *Instructor in Pharmaceutical Arithmetic*

Karl Shaw Burkett, PHAR.D., *Assistant in Botany and Pharmacognosy*

Hugh Clyde Dodds, PH.G., *Assistant in Chemical Laboratory*

1918-1919

- Samuel B. McCormick, LL.D., D.D., *Chancellor of the University*
Julius A. Koch, PH.D., PHAR.D., SC.D., *Dean, Professor of Physics and Chemistry and Director of the Chemical Laboratories*
James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy and Lecturer on Pharmaceutical Jurisprudence*
Frederick T. Aschman, PH.B., PHAR.D., *Professor of Chemistry*
Frederick A. Rhodes, M.D., *Professor of Physiology*
Albert F. Judd, PHAR.D., *Professor of Botany and Materia Medica*
Louis Saalbach, PHAR.D., *Professor of Pharmacy and Director of the Pharmaceutical Laboratories*
Leasure Kline Darbaker, PHAR.D., *Professor of Pharmacognosy and Bacteriology*
Frederick J. Blumenschein, PHAR.D., *Associate Professor of Pharmacy*
John Herman Wurdack, PHAR.D., *Instructor in Latin and Assistant to Chair of Chemistry*
Herman S. Kossler, PHAR.D., *Instructor in Pharmaceutical Arithmetic*
Karl Shaw Burkett, PHAR.D., *Assistant in Botany and Pharmacognosy*
Edward Clarence Reif, PH.C., *Assistant in Chemical Laboratory*
Student Assistants
John Edwin Reed, PH.G., *Chemical Laboratory*
Ethel Margaret Swan, *Pharmaceutical Laboratory*
Dante Alighieri Giusti, PH.G., *Pharmacognostical Laboratory*

1919-1920

- Samuel B. McCormick, LL.D., D.D., *Chancellor of the University*
Julius A. Koch, PH.D., PHAR.D., SC.D., *Dean, Professor of Physics and Chemistry and Director of the Chemical Laboratories*
James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy and Lecturer on Pharmaceutical Jurisprudence*
Frederick T. Aschman, PH.B., PHAR.D., *Professor of Chemistry*
Frederick A. Rhodes, M.D., *Professor of Physiology*
Albert F. Judd, PHAR.D., *Professor of Botany and Materia Medica*
Louis Saalbach, PHAR.D., *Professor of Pharmacy and Director of the Pharmaceutical Laboratories*
Leasure Kline Darbaker, PHAR.D., *Professor of Pharmacognosy and Bacteriology*
Frederick J. Blumenschein, PHAR.D., *Associate Professor of Pharmacy*
John Herman Wurdack, PHAR.D., *Instructor in Latin and Assistant to the Chair of Chemistry*
Herman S. Kossler, PHAR.D., *Instructor in Pharmaceutical Arithmetic*
Edward Clarence Reif, PHAR.D., *Assistant in Chemistry*
Ethel Margaret Swan, *Assistant in Pharmaceutical Laboratory*

1920-1921

- Samuel B. McCormick, LL.D., D.D., *Chancellor of the University*
 Julius A. Koch, PH.D., PHAR.D., SC.D., *Dean, Professor of Physics and Chemistry, and Director of the Chemical Laboratories*
 James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy and Lecturer on Pharmaceutical Jurisprudence*
 Frederick T. Aschman, PH.B., PHAR.D., *Professor of Chemistry*
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 Frederick J. Blumenschein, PHAR.D., *Associate Professor of Pharmacy*
 John Herman Wurdack, PHAR.D., *Instructor in Latin and Assistant to the Chair of Chemistry*
 Walter Libby, PH.D., *Lecturer on the History of Pharmacy*
 Herman S. Kossler, PH.G., PHAR.D., *Instructor in Mathematics*
 Edward Clarence Reif, PHAR.D., *Assistant in Chemistry*
 Helen Edna Nied, PH.G., *Laboratory Assistant*

Student Assistants

- | | | |
|--------------------|-------------------|-----------------------|
| James Edward Ihrig | Thomas Janda, Jr. | Clarence Clifton Hare |
|--------------------|-------------------|-----------------------|

1921-1922

- John G. Bowman, A.B., A.M., LL.D., *Chancellor of the University*
 Julius A. Koch, PH.D., PHAR.D., SC.D., *Dean, Professor of Physics and Chemistry, and Director of the Chemical Laboratories*
 James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy and Lecturer on Pharmaceutical Jurisprudence*
 Frederick T. Aschman, PH.B., PHAR.D., *Professor of Chemistry*
 Frederick A. Rhodes, M.D., *Professor of Physiology*
 Albert F. Judd, PHAR.D., *Professor of Botany and Materia Medica*
 Louis Saalbach, PHAR.D., *Professor of Pharmacy and Director of the Pharmaceutical Laboratories*
 Leasure Kline Darbaker, PHAR.D., *Professor of Pharmacognosy and Bacteriology*
 Frederick J. Blumenschein, PHAR.D., *Associate Professor of Pharmacy*
 John Herman Wurdack, PHAR.D., *Assistant Professor of Chemistry*
 Walter Libby, PH.D., *Lecturer on the History of Pharmacy*
 Herman S. Kossler, PH.G., PHAR.D., *Instructor in Mathematics*
 Edward Clarence Reif, PHAR.D., *Assistant in Chemistry*
 Besse V. Swartz, PH.G., *Instructor in Pharmacognosy*

Genevieve M. Hines, PH.G., *Instructor in Pharmacy*

I. Paul Griggs, PH.G., *Assistant in Chemical Laboratory*

1922-1923

John G. Bowman, A.B., A.M., LL.D., *Chancellor of the University*

Julius A. Koch, PH.D., PHAR.D., SC.D., *Dean, Professor of Physics and Chemistry, and Director of the Chemical Laboratories*

James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy and Lecturer on Pharmaceutical Jurisprudence*

Frederick T. Aschman, PH.B., PHAR.D., *Professor of Chemistry*

Frederick A. Rhodes, M.D., *Professor of Physiology*

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Frederick J. Blumenschein, PHAR.D., *Associate Professor of Pharmacy*

John Herman Wurdack, PHAR.D., *Assistant Professor of Chemistry*

Herman S. Kossler, PH.G., PHAR.D., *Instructor in Mathematics*

Edward Clarence Reif, PHAR.D., *Assistant in Chemistry*

Besse V. Swartz, PH.G., *Instructor in Pharmacognosy*

Genevieve M. Hines, PH.G., *Instructor in Pharmacy*

I. Paul Griggs, PH.G., *Assistant in Chemical Laboratory*

Francis Edward Bradley, *Instructor in Pharmacy*

George E. Reichenecker, PH.G., *Instructor in Pharmacognosy*

Student Assistant

Cloyd Cypher, *Student Assistant in Pharmacy*

1923-1924

John Gabbert Bowman, A.B., A.M., LL.D., *Chancellor of the University*

Julius A. Koch, PH.D., PHAR.D., SC.D., *Dean, Professor of Physics and Chemistry, and Director of the Chemical Laboratories*

James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy and Lecturer on Pharmaceutical Jurisprudence*

Frederick T. Aschman, PH.B., PHAR.D., *Emeritus Professor of Chemistry and Special Lecturer on Food Analysis*

Albert F. Judd, PHAR.D., *Professor of Botany and Materia Medica*

Louis Saalbach, PHAR.D., *Professor of Pharmacy and Director of the Pharmaceutical Laboratories*

Leasure Kline Darbaker, PHAR.D., *Professor of Pharmacognosy and Bacteriology*

Frederick J. Blumenschein, PHAR.D., *Associate Professor of Pharmacy*

John Herman Wurdack, PHAR.D., *Associate Professor of Chemistry*

Edward Clarence Reif, PHAR.D., *Assistant Professor of Materia Medica*
 Herman S. Kossler, PHAR.D., *Instructor in Mathematics*
 Besse V. Swartz, PH.G., *Instructor in Pharmacognosy*
 Genevieve M. Hines, PH.G., *Instructor in Latin*
 C. Leonard O'Connell, PH.G., A.B., *Instructor in Chemistry*
 David E. Levin, B.CH., *Instructor in Chemical Laboratory*
 I. Paul Griggs, PH.G., PH.C., *Instructor in Botany*
 Francis Edward Bradley, PH.G., *Instructor in Pharmacy*
 William D. Wardlaw, PH.G., *Assistant in Pharmacognosy*
 Carl Alexander Wirts, PH.G., PH.C., *Assistant in Chemical Laboratory*
 William Lewis Pullen, *Student Assistant in Pharmacy*

Student Assistants

Stanley H. Dobbs, *Student Assistant in Pharmacy*
 James P. Botzer, *Student Assistant in Chemistry*

1924-1925

John Gabbert Bowman, A.B., A.M., LL.D., *Chancellor of the University*
 Julius A. Koch, PH.D., SC.D., PHAR.D., *Dean, Professor of Physics and Chemistry,
 and Director of the Chemical Laboratories*
 James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy and Lecturer on
 Pharmaceutical Jurisprudence*
 Frederick T. Aschman, PH.B., PHAR.D., *Emeritus Professor of Chemistry and
 Special Lecturer on Food Analysis*
 Albert F. Judd., PHAR.D., *Professor of Botany and Materia Medica*
 Louis Saalbach, PHAR.D., *Professor of Pharmacy and Director of Pharmaceuti-
 cal Laboratories*
 Leasure Kline Darbaker, PHAR.D., *Professor of Pharmacognosy and Bacteriology*
 Frederick J. Blumenschein, PHAR.D., *Professor of Pharmacy*
 John Herman Wurdack, PHAR.D., *Associate Professor of Chemistry*
 Edward Clarence Reif, PHAR.D., *Assistant Professor of Materia Medica*
 Herman S. Kossler, PHAR.D., *Instructor in Mathematics*
 Besse V. Swartz, PH.G., *Instructor in Pharmacognosy*
 Genevieve M. Hines, PH.G., *Instructor in Latin*
 C. Leonard O'Connell, PH.G., A.B., *Instructor in Chemistry*
 I. Paul Griggs, PH.G., PH.C., *Instructor in Botany*
 David E. Levin, B.CH., *Instructor in Chemical Laboratory*
 William D. Wardlaw, PH.G., *Instructor in Pharmacognosy*
 Carl Alexander Wirts, PH.G., PH.C., *Assistant in Chemical Laboratory*
 William Lewis Pullen, PH.G., *Instructor in Pharmacy*
 Frederick H. Woods, PH.G., PH.C., *Assistant in Pharmacy*
 James P. Botzer, PH.G., *Assistant in Chemistry*

1925-1926

- John Gabbert Bowman, A.B., A.M., LL.D., *Chancellor of the University*
Julius A. Koch, PH.D., SC.D., PHAR.D., *Dean, Professor of Physics and Chemistry,
and Director of the Chemical Laboratories*
James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy and Lecturer on
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Louis Saalbach, PHAR.D., *Professor of Pharmacy*
Leasure Kline Darbaker, PHAR.D., *Professor of Pharmacognosy and Bacteriology*
Frederick J. Blumenschein, PHAR.D., *Professor of Pharmacy*
John Herman Wurdack, PHAR.D., *Professor of Chemistry*
Edward Clarence Reif, PHAR.D., *Professor of Physiology*
C. Leonard O'Connell, PH.G., A.B., *Assistant Professor of Chemistry*
I. Paul Griggs, PH.G., PH.C., *Assistant Professor of Botany*
Herman S. Kossler, PHAR.D., *Instructor in Mathematics*
Besse V. Swartz, PH.G., *Instructor in Pharmacognosy*
Genevieve M. Hines, PH.G., *Instructor in Latin*
David E. Levin, B.CH., *Instructor in Chemical Laboratory*
William D. Wardlaw, PH.G., *Instructor in Pharmacognosy*
Hoyt Dowse Jones, PH.G., *Assistant in Pharmacy*
Bernard Forbes Daubert, PH.G., *Assistant in Chemistry*

1926-1927

- John Gabbert Bowman, A.B., A.M., LL.D., *Chancellor of the University*
Julius A. Koch, PH.D., SC.D., PHAR.D., *Dean, Professor of Physics and Chemistry,
and Director of the Chemical Laboratories*
James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy and Lecturer on
Pharmaceutical Jurisprudence*
Albert F. Judd, PHAR.D., *Professor of Botany and Materia Medica*
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Leasure Kline Darbaker, PHAR.D., *Professor of Pharmacognosy and Bacteriology*
John Herman Wurdack, PHAR.D., *Professor of Chemistry*
Edward Clarence Reif, PHAR.D., *Professor of Physiology*
C. Leonard O'Connell, PH.G., A.B., *Assistant Professor of Chemistry*
Herman S. Kossler, PHAR.D., *Instructor in Mathematics*
David E. Levin, B.CH., *Instructor in Chemical Laboratory*
Bernard Forbes Daubert, PH.G., *Instructor in Pharmacy*
Frank Stuart McGinnis, PH.G., *Instructor in Pharmacy*

Robert Floyd McGrew, PH.G., *Instructor in Pharmacy*
 John Garfield Rees, PH.G., *Instructor in Pharmacognosy*
 Ira Burdett Coldren, PH.G., *Instructor in Chemistry*
 Carl George Brackmann, PH.G., *Instructor in Pharmacognosy*
 Clarence Taylor Van Meter, PH.G., *Instructor in Chemistry*
 Frank Hoover Smith, PH.G., *Instructor in Botany*

Student Assistants

Harriet Mona Nemon, *Student Assistant in Pharmacy*
 John U. Young, *Student Assistant in Chemistry*

1927-1928

John Gabbert Bowman, A.B., A.M., LL.D., *Chancellor of the University*
 Julius A. Koch, PH.D., SC.D., PHAR.D., *Dean, Professor of Physics and Chemistry, and Director of the Chemical Laboratories*
 James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy and Lecturer on Pharmaceutical Jurisprudence*
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 Louis Saalbach, PHAR.D., *Professor of Pharmacy and Director of the Pharmaceutical Laboratories*
 Leasure Kline Darbaker, PHAR.D., *Professor of Pharmacognosy and Bacteriology*
 John Herman Wurdack, PHAR.D., *Professor of Chemistry*
 Edward Clarence Reif, PHAR.D., *Professor of Physiology*
 C. Leonard O'Connell, PH.G., A.B., *Professor of Pharmacy*
 Herman S. Kossler, PHAR.D., *Instructor in Mathematics*
 David E. Levin, B.CH., *Instructor in Chemical Laboratory*
 Bernard Forbes Daubert, PH.G., *Instructor in Pharmacy*
 Frank Stuart McGinnis, PH.G., *Instructor in Pharmacy*
 Robert Floyd McGrew, PH.G., *Instructor in Botany*
 John Garfield Rees, PH.G., *Instructor in Chemistry*
 Ira Burdett Coldren, PH.G., *Instructor in Chemistry*
 Carl George Brackmann, PH.G., B.S., *Instructor in Pharmacognosy*
 Clarence Taylor Van Meter, PH.G., *Instructor in Chemistry*
 Frank Hoover Smith, PH.G., *Instructor in Pharmacy*
 Cecil Monroe Ehrhart, PH.G., *Instructor in Chemical Laboratory*

Student Assistants

Harriet Mona Nemon, *Student Assistant in Pharmacy*
 John U. Young, *Student Assistant in Chemistry*
 Frank John Steele, *Student Assistant in Pharmacognosy*
 Seth A. Stokes, *Student Assistant in Pharmacognosy*
 Robert S. Ross, *Student Assistant in Pharmacy*

1928-1929

- John Gabbert Bowman, A.B., A.M., LL.D., *Chancellor of the University*
Julius A. Koch, PH.D., SC.D., PHAR.D., *Dean, Professor of Physics and Chemistry,
and Director of the Chemical Laboratories*
James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy and Lecturer on
Pharmaceutical Jurisprudence*
Albert F. Judd, PHAR.D., *Professor of Botany and Materia Medica*
Louis Saalbach, PHAR.D., *Professor of Pharmacy and Director of the Pharma-
ceutical Laboratories*
Leasure Kline Darbaker, PHAR.D., *Professor of Pharmacognosy and Bacteriology*
John Herman Wurdack, PHAR.D., *Professor of Chemistry*
Edward Clarence Reif, PHAR.D., *Professor of Physiology*
C. Leonard O'Connell, PH.G., A.B., *Professor of Pharmacy*
Herman S. Kossler, PHAR.D., *Instructor in Mathematics*
David E. Levin, B.CH., *Instructor in Chemical Laboratory*
Bernard Forbes Daubert, PH.G., *Instructor in Pharmacy*
Frank Stuart McGinnis, PH.G., *Instructor in Pharmacy*
Robert Floyd McGrew, PH.G., *Instructor in Botany*
John Garfield Rees, PH.G., *Instructor in Chemistry*
Clarence Taylor Van Meter, PH.G., *Instructor in Chemistry*
Cecil Monroe Ehrhart, PH.G., *Instructor in Chemical Laboratory and Physiology*
Francis Marion Boyd, PH.G., *Instructor in Micro-Biology*
John U. Young, PH.G., *Instructor in Chemical Laboratory*
Robert William Taylor, PH.G., *Instructor in Pharmacy*
William Ewert Walmsley, PH.G., *Instructor in Pharmacognosy*
Lester Vaughn Moore, PH.G., *Instructor in Pharmacognosy, Materia Medica
and Botany*

Student Assistants

- Seth A. Stokes, *Student Assistant in Pharmacognosy*
Robert S. Ross, *Student Assistant in Pharmacy*
William Dick Coombs, *Student Assistant in Pharmacy*
Edward P. Claus, *Student Assistant in Chemistry*
Robert Edward Bridges, *Student Assistant in Pharmacognosy*

1929-1930

- John Gabbert Bowman, A.B., A.M., LL.D., *Chancellor of the University*
Julius A. Koch, PH.D., SC.D., PHAR.D., *Dean, Professor of Physics and Chemistry,
and Director of the Chemical Laboratories*
James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy and Lecturer on
Pharmaceutical Jurisprudence*
Albert F. Judd, PHAR.D., *Professor of Botany and Materia Medica*

- Louis Saalbach, PHAR.D., *Professor of Pharmacy and Director of the Pharmaceutical Laboratories*
- Leasure Kline Darbaker, PHAR.D., *Professor of Pharmacognosy and Bacteriology*
- John Herman Wurdack, PHAR.D., *Professor of Chemistry*
- Edward Clarence Reif, PHAR.D., *Professor of Physiology*
- C. Leonard O'Connell, A.B., PHAR.D., *Professor of Pharmacy and Director of the courses in Pharmaceutical Economics*
- Herman S. Kossler, PHAR.D., *Instructor in Mathematics*
- David E. Levin, B.CH., *Instructor in Chemical Laboratory*
- Bernard Forbes Daubert, PH.G., *Instructor in Pharmacy*
- Frank Stuart McGinnis, PH.G., *Instructor in Pharmacy*
- Robert Floyd McGrew, PH.G., *Instructor in Botany and Materia Medica*
- John Garfield Rees, PH.G., *Instructor in Chemistry*
- Clarence Taylor Van Meter, PH.G., *Instructor in Chemistry*
- Cecil Monroe Ehrhart, PH.G., *Instructor in Materia Medica and Physiology*
- Stephen Wilson, PH.G., *Instructor in Pharmaceutical Economics*
- John U. Young, PH.G., *Instructor in Chemical Laboratory*
- Robert William Taylor, PH.G., *Instructor in Pharmacy*
- William Ewert Walmsley, PH.G., *Instructor in Pharmacognosy*
- Lester Vaughn Moore, PH.G., *Instructor in Microscopy and Materia Medica*
- George Bast Saylor, PH.G., *Instructor in Chemical Laboratory*
- Edward P. Claus, PH.G., *Instructor in Chemical Laboratory*
- George H. Wilson, PH.G., *Instructor in Pharmacy*

Student Assistants

- Robert S. Ross, *Student Assistant in Pharmacy*
- Edward C. DeBone, *Student Assistant in Microscopy*
- Robert Edward Bridges, *Student Assistant in Pharmacognosy*

1930-1931

- John Gabbert Bowman, A.B., A.M., LL.D., *Chancellor of the University*
- Julius A. Koch, PH.D., SC.D., PHAR.D., *Dean, Professor of Physics and Chemistry, and Director of the Chemical Laboratories*
- James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy and Lecturer on Pharmaceutical Jurisprudence*
- Albert F. Judd, PHAR.D., *Professor of Botany and Materia Medica*
- Louis Saalbach, PHAR.D., *Professor of Pharmacy and Director of the Pharmaceutical Laboratories*
- Leasure Kline Darbaker, PHAR.D., *Professor of Pharmacognosy and Bacteriology*
- John Herman Wurdack, PHAR.D., *Professor of Chemistry*
- Edward Clarence Reif, PHAR.D., *Professor of Physiology*

C. Leonard O'Connell, A.B., PHAR.D., *Professor of Pharmacy and Director of the courses in Pharmaceutical Economics*

Herman S. Kossler, PHAR.D., *Instructor in Mathematics*

David E. Levin, B.CHEM., *Instructor in Chemical Laboratory*

Bernard Forbes Daubert, PH.G., B.S., *Instructor in Pharmacy*

Frank Stuart McGinnis, PH.G., B.S., *Instructor in Pharmacy*

Robert Floyd McGrew, PH.G., *Instructor in Botany and Materia Medica*

John Garfield Rees, PH.G., *Instructor in Chemistry*

Clarence Taylor Van Meter, PH.G., *Instructor in Chemistry*

Stephen Wilson, PH.C., B.S., *Instructor in Pharmaceutical Economics*

John U. Young, PH.G., *Instructor in Chemical Laboratory*

Robert William Taylor, PH.G., *Instructor in Pharmacy*

Lester Vaughn Moore, PH.G., *Instructor in Materia Medica and Physiology*

George Bast Saylor, PH.G., *Instructor in Chemistry Laboratory*

Edward Praegner Claus, PH.G., B.S., *Instructor in Pharmacognosy*

Joseph Sylvester Hoffmann, B.S., *Instructor in Micro-Biology*

Robert Scott Ross, PH.G., *Instructor in Biology*

....., *Assistant Professor in English*

Student Assistants

Robert Kossler, *Student Assistant in Pharmacy*

Edward C. DeBone, *Student Assistant in Pharmacognosy*

Melvin Green, *Student Assistant in Chemical Laboratory*

1931-1932

John Gabbert Bowman, A.B., A.M., LL.D., *Chancellor of the University*

Julius A. Koch, PH.D., SC.D., PHAR.D., *Dean, Professor of Physics and Chemistry, and Director of the Chemical Laboratories*

C. Leonard O'Connell, A.B., PHAR.D., *Associate Dean, Professor of Pharmacy, and Director of the courses in Pharmaceutical Economics*

James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy and Lecturer on Pharmaceutical Jurisprudence*

Albert F. Judd, PHAR.D., *Professor of Botany and Materia Medica*

Louis Saalbach, PHAR.D., *Professor of Pharmacy and Director of the Pharmaceutical Laboratories*

Leasure Kline Darbaker, PHAR.D., *Professor of Pharmacognosy and Bacteriology*

John Herman Wurdack, PHAR.D., *Professor of Chemistry*

Edward Clarence Reif, PHAR.D., *Professor of Physiology*

Herman S. Kossler, PHAR.D., *Instructor in Mathematics*

David E. Levin, B.CHEM., *Instructor in Chemical Laboratory*

Bernard Forbes Daubert, PH.G., B.S., *Instructor in Pharmacy*

Frank Stuart McGinnis, PH.G., B.S., *Instructor in Pharmacy*

Clarence Taylor Van Meter, PH.G., *Instructor in Chemistry*
 Stephen Wilson, PH.C., B.S., *Instructor in Pharmaceutical Economics*
 Robert William Taylor, PH.G., B.S., *Instructor in Pharmacy*
 Lester Vaughn Moore, PH.G., B.S., *Instructor in Materia Medica and Physiology*
 Edward Praegner Claus, PH.G., B.S., *Instructor in Pharmacognosy*
 Walter George Friedrich, A.M., *Instructor in English*
 James McHugh Flanagan, A.M., *Instructor in English*
 Arthur Engelbert, A.M., *Instructor in German*

Student Assistants

Robert Scott Ross, PH.G., *Student Assistant in Pharmacognosy*
 Melvin W. Green, PH.G., *Student Assistant in Chemical Laboratory*
 Leo Kramer, PH.G., *Student Assistant in Chemistry*

1932-1933

John Gabbert Bowman, A.B., A.M., LL.D., *Chancellor of the University*
 C. Leonard O'Connell, A.B., PHAR.D., *Dean, Professor of Pharmacy, and Director of the courses in Pharmaceutical Economics*
 Julius A. Koch, PH.D., SC.D., PHAR.D., *Dean Emeritus*
 James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy and Lecturer on Pharmaceutical Jurisprudence*
 Albert F. Judd, PHAR.D., *Professor of Botany and Materia Medica*
 Louis Saalbach, PHAR.D., *Professor of Pharmacy and Director of the Pharmaceutical Laboratories*
 Leasure Kline Darbaker, PHAR.D., *Professor of Pharmacognosy and Bacteriology*
 John Herman Wurdack, PHAR.D., *Professor of Chemistry*
 Edward Clarence Reif, PHAR.D., *Professor of Physiology*
 Walter George Friedrich, A.M., *Assistant Professor in English*
 Herman S. Kossler, PHAR.D., *Instructor in Mathematics*
 David E. Levin, B.CHEM., PH.D., *Instructor in Chemical Laboratory*
 Bernard Forbes Daubert, PH.G., B.S., *Instructor in Pharmacy*
 Frank Stuart McGinnis, PH.G., B.S., *Instructor in Pharmacy*
 Clarence Taylor Van Meter, PH.G., B.S., *Instructor in Chemistry*
 Stephen Wilson, PH.C., B.S., A.M., *Instructor in Pharmaceutical Economics*
 Robert William Taylor, PH.G., B.S., *Instructor in Pharmacy*
 Lester Vaughn Moore, PH.G., B.S., *Instructor in Materia Medica and Physiology*
 Edward Praegner Claus, PH.G., B.S., *Instructor in Pharmacognosy*
 Frank D. Curtin, A.M., *Instructor in English*
 Harry A. Gnatkowski, A.M., *Instructor in German*

Student Assistants

George F. Moreland, PH.G., *Student Assistant in Pharmacy*

Harry J. Brumersky, PH.G., *Student Assistant in Chemistry*

Samuel H. Oswald, Jr., PH.G., *Student Assistant in Pharmacognosy*

1933-1934

John Gabbert Bowman, A.B., A.M., LL.D., *Chancellor of the University*

C. Leonard O'Connell, A.B., PHAR.D., *Dean, Professor of Pharmacy, and Director of the courses in Pharmaceutical Economics*

Julius A. Koch, PH.D., SC.D., PHAR.D., *Dean Emeritus*

James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy and Lecturer in Pharmaceutical Jurisprudence*

Albert F. Judd, PHAR.D., *Professor of Analytical Chemistry and Director of the Chemical Laboratories*

Leasure Kline Darbaker, PHAR.D., *Professor of Pharmacognosy and Bacteriology*

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Edward Clarence Reif, PHAR.D., *Professor of Botany and Materia Medica*

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Clarence Taylor Van Meter, PH.G., B.S., *Assistant Professor of Chemistry*

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Assistant Professor of Pharmaceutical Economics

Herman S. Kossler, PHAR.D., *Instructor in Mathematics*

Robert William Taylor, PH.G., B.S., *Instructor in Pharmacy*

Lester Vaughn Moore, PH.G., B.S., *Instructor in Materia Medica and Physiology*

Edward Praegner Claus, PH.G., B.S., *Instructor in Pharmacognosy*

Frank D. Curtin, A.M., *Instructor in English*

Harry A. Gnatkowski, A.M., *Instructor in German*

Student Assistants

William Fischer Siegel, *Student Assistant in Pharmacy*

George Kenneth Thompson, PH.G., *Student Assistant in Chemistry*

Walter Oliver McGinnis, *Student Assistant in Pharmacognosy*

1934-1935

John Gabbert Bowman, A.B., A.M., LL.D., *Chancellor of the University*

C. Leonard O'Connell, A.B., PH.M., PHAR.D., *Dean, Professor of Pharmacy, and Director of the courses in Pharmaceutical Economics*

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Frank Stuart McGinnis, PH.G., B.S., *Assistant Professor of Pharmacy*

Clarence Taylor Van Meter, PH.G., B.S., *Assistant Professor of Chemistry*

Stephen Wilson, PH.C., B.S., A.M.,

Assistant Professor of Pharmaceutical Economics

Herman S. Kossler, PHAR.D., *Instructor in Pharmaceutical Arithmetic*

Robert William Taylor, PH.G., B.S., *Instructor in Pharmacy*

Lester Vaughn Moore, PH.G., B.S., *Instructor in Materia Medica and Physiology*

Edward Praegner Claus, PH.G., B.S., *Instructor in Pharmacognosy*

Frank D. Curtin, A.M., *Instructor in English*

Harry A. Gnatkowski, A.M., *Instructor in German*

Charles R. Crow, Jr., A.M., *Instructor in English*

John C. Knipp, A.B., A.M., PH.D., *Instructor in Mathematics*

Student Assistants

Roy Stephen Harry, *Student Assistant in Pharmacy*

Joseph A. Bianculli, B.S., *Student Assistant in Chemistry*

Willis John Heyl, *Student Assistant in Pharmacognosy*

1935-1936

John Gabbert Bowman, A.B., A.M., LL.D., *Chancellor of the University*

C. Leonard O'Connell, A.B., PH.M., PHAR.D., *Dean and Professor of Pharmacy*

Julius A. Koch., PH.D., SC.D., *Dean Emeritus*

James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy*

Albert F. Judd, PHAR.D., *Professor of Analytical Chemistry and Director of the Chemical Laboratories*

Louis Saalbach, PHAR.D., *Professor of Pharmacy and Director of the Pharmaceutical Laboratories*

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Bernard Forbes Daubert, PH.G., B.S., *Assistant Professor of Pharmacy*

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Clarence Taylor Van Meter, PH.G., B.S., *Assistant Professor of Chemistry*

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Lester Vaughn Moore, PH.G., B.S., *Instructor in Materia Medica and Physiology*

Edward Praegner Claus, PH.G., B.S., M.S., *Instructor in Pharmacognosy*

Frank D. Curtin, B.A., M.A., *Instructor in English*

Harry A. Gnatkowski, B.A., M.A., *Instructor in German*

John C. Knipp, B.A., M.A., PH.D., *Instructor in Mathematics*

....., *Lecturer in Pharmaceutical Jurisprudence*

Student Assistants

Willis John Heyl, *Student Assistant in Pharmacognosy*

E. Raymond Smith, Jr., B.S., *Student Assistant in Chemistry*

Joseph A. Meisner, *Student Assistant in Pharmacy*

John J. Nolan, *Student Assistant in Physics*

1936-1937

John Gabbert Bowman, A.B., A.M., LL.D., *Chancellor of the University*

C. Leonard O'Connell, A.B., PH.M., PHAR.D., *Dean and Professor of Pharmacy*

Julius A. Koch, PH.D., SC.D., PHAR.D., *Dean Emeritus*

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Chemical Laboratories*

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ceutical Laboratories*

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Clarence Taylor Van Meter, PH.G., B.S., *Assistant Professor of Chemistry*

Stephen Wilson, PH.C., B.S., M.A.,

Assistant Professor of Pharmaceutical Economics

Robert William Taylor, PH.G., B.S., *Instructor in Pharmacy*

Edward Praegner Claus, PH.G., B.S., M.S., *Instructor in Pharmacognosy*

Harry A. Gnatkowski, B.A., M.A., *Instructor in German*

John C. Knipp, B.A., M.A., PH.D., *Instructor in Mathematics*

Elmer Sanfrid Osberg, B.A., M.A., *Instructor in English*

William Pettit, A.B., LL.B., *Lecturer in Pharmaceutical Jurisprudence*

Graduate Assistants

Joseph A. Bianculli, B.S., *Graduate Assistant in Chemistry*

Joseph A. Meisner, B.S., *Graduate Assistant in Pharmacy*
 J. Howard Semple, B.S., *Graduate Assistant in Pharmacy*

1937-1938

John Gabbert Bowman, A.B., A.M., LL.D., *Chancellor of the University*
 C. Leonard O'Connell, A.B., PH.M., PHAR.D., *Dean and Professor of Pharmacy*
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 ceutical Laboratories*
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Assistant Professor of Pharmaceutical Economics
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 Harry A. Gnatkowski, B.A., M.A., *Instructor in German*
 John C. Knipp, B.A., M.A., PH.D., *Instructor in Mathematics*
 James McHugh Flanagan, B.M., M.A., *Instructor in English*
 William Pettit, A.B., LL.B., *Lecturer in Pharmaceutical Jurisprudence*

Graduate Assistants

Joseph A. Bianculli, B.S., *Graduate Assistant in Chemistry*
 Brainerd Rebert, B.S., *Graduate Assistant in Pharmacy*
 J. Howard Semple, B.S., *Graduate Assistant in Pharmacy*

1938-1939

John Gabbert Bowman, A.B., M.A., LL.D., *Chancellor of the University*
 C. Leonard O'Connell, A.B., PH.M., PHAR.D., *Dean and Professor of Pharmacy*
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 teriology*

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Assistant Professor of Pharmaceutical Economics

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James McHugh Flanagan, B.A., M.A., *Instructor in English*
William Pettit, A.B., LL.B., *Lecturer in Pharmaceutical Jurisprudence*

Graduate Assistants

Joseph A. Bianculli, B.S., *Graduate Assistant in Chemistry*
Howard H. Fricke, B.S., M.S., *Graduate Assistant in Pharmacy*
Timothy A. Lucum, B.S., *Graduate Assistant in Pharmacy*

1939-1940

Administration and Faculty

John Gabbert Bowman, A.B., M.A., LL.D., LITT.D., *Chancellor of the University*
C. Leonard O'Connell, A.B., PH.M., PHAR.D., *Dean of the School of Pharmacy*
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John Herman Wurdack, PHAR.D., *Professor of Chemistry and Physics*

Assistant Professors

Bernard Forbes Daubert, B.S., PH.D., *Assistant Professor of Pharmacy*
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Frank Stuart McGinnis, B.S., LITT.M., *Assistant Professor of Pharmacy*
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Stephen Wilson, PH.C., B.S., M.A.,

Assistant Professor of Pharmaceutical Economics

Instructors

Edward Praegner Claus, B.S., M.S., *Instructor in Pharmacognosy*
James McHugh Flanagan, M.A., *Instructor in English*

Harry A. Gnatkowski, M.A., PH.D., *Instructor in German*
 John C. Knipp, M.A., PH.D., *Instructor in Mathematics*
 William Pettit, A.B., LL.B., *Instructor in Pharmaceutical Jurisprudence*

Graduate Assistants

Joseph A. Bianculli, B.S., *Graduate Assistant in Chemistry*
 Howard Henry Fricke, B.S., M.S., *Graduate Assistant in Pharmacy*
 Timothy A. Lucum, B.S., *Graduate Assistant in Pharmacy at Falk Clinic*
 Louis Aloysius Wilson, B.S., *Graduate Assistant in Pharmacy at Falk Clinic*

1940-1941

Administration and Faculty

John Gabbert Bowman, A.B., M.A., LL.D., LITT.D., *Chancellor of the University*
 C. Leonard O'Connell, A.B., PH.M., PHAR.D., *Dean of the School of Pharmacy*
 Julius A. Koch, PH.D., SC.D., PHAR.D., *Dean Emeritus of the School of Pharmacy*

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 Frank Stuart McGinnis, B.S., LITT.M., *Assistant Professor of Pharmacy*
 Clarence Taylor Van Meter, B.S., *Assistant Professor of Chemistry*
 Stephen Wilson, PH.C., B.S., M.A., PH.D.,

Assistant Professor of Pharmaceutical Economics

Instructors

William Price Albrecht, M.A., *Instructor in English*
 John I. Bohnert, Jr., M.A., *Instructor in Mathematics*
 Edward Praegner Claus, B.S., M.S., *Instructor in Pharmacognosy*
 Harry A. Gnatkowski, M.A., PH.D., *Instructor in German*
 William Pettit, A.B., LL.B., *Instructor in Pharmaceutical Jurisprudence*

Graduate Assistants

Joseph A. Bianculli, B.S., *Graduate Assistant in Chemistry*
 Howard Henry Fricke, B.S., M.S., *Graduate Assistant in Pharmacy*
 Walter Stanley Leskowitz, B.S., *Graduate Assistant in Chemistry*
 Timothy A. Lucum, B.S., *Graduate Assistant in Pharmacy at Falk Clinic*

Louis Aloysius Wilson, B.S., *Graduate Assistant in Pharmacy at Falk Clinic*

1941-1942

Administration and Faculty

John Gabbert Bowman, A.B., M.A., LL.D., LITT.D., *Chancellor of the University*

C. Leonard O'Connell, A.B., PH.M., PHAR.D., *Dean of the School of Pharmacy*

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William Pettit, A.B., LL.B., *Instructor in Pharmaceutical Jurisprudence*

Graduate Assistants

Joseph A. Bianculli, B.S., PH.D., *Graduate Assistant in Chemistry*

Vance Emerick Brumbaugh, B.S., *Graduate Assistant in Pharmacy at Falk Clinic*

Howard Henry Fricke, B.S., M.S., *Graduate Assistant in Pharmacy*

Paul Louis Griffith, B.S., *Graduate Assistant in Pharmacy at Falk Clinic*

Louis H. Mantel, B.S., *Graduate Assistant in Chemistry*

1942-1943

Faculty and Administration

John Gabbert Bowman, A.B., M.A., LL.D., LITT.D., *Chancellor of the University*

C. Leonard O'Connell, A.B., PH.M., PHAR.D., *Dean of the School of Pharmacy*

Julius A. Koch, PH.D., SC.D., PHAR.D., *Dean Emeritus of the School of Pharmacy*

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Edward Clarence Reif, PHAR. D., *Professor of Botany and Materia Medica*

Louis Saalbach, PHAR.D., *Emeritus Professor of Pharmacy*

John Herman Wurdack, PHAR.D., *Professor of Chemistry and Physics*

Assistant Professors

Edward Praegner Claus, B.S., M.S., PH.D., *Assistant Professor in Biology*

Bernard Forbes Daubert, B.S., PH.D., *Assistant Professor in Pharmacy*

David E. Levin, B.CHEM., PH.D., *Assistant Professor of Analytical Chemistry,*

Leave of absence from February 1, 1942 to February 1, 1943

Frank Stuart McGinnis, B.S., LITT.M., *Assistant Professor of Pharmacy*

Clarence Taylor Van Meter, B.S., PH.D., *Assistant Professor of Chemistry*

Stephen Wilson, B.S., M.A., PH.D.,

Assistant Professor of Pharmaceutical Economics

Instructors

William Price Albrecht, M.A., *Instructor in English*

John Frederick Lissfelt, B.MUS., LITT.M., *Instructor in German*

Edmund Richard Michalik, M.A., *Instructor in Mathematics*

William Pettit, A.B., LL.B., *Instructor in Pharmaceutical Jurisprudence*

Graduate Assistants

Joseph A. Bianculli, B.S., PH.D., *Graduate Assistant in Chemistry*

Vance Emerick Brumbaugh, B.S., *Graduate Assistant in Pharmacy at Falk Clinic*

Howard Henry Fricke, B.S., M.S., *Graduate Assistant in Pharmacy*

Wilbur Thomas Euston, B.S., *Graduate Assistant in Chemistry*

Paul Louis Griffith, B.S., *Graduate Assistant in Pharmacy at Falk Clinic*

John Julius Wurdack, B.S., *Graduate Assistant in Biology*

1943-1944

Faculty and Administration

John Gabbert Bowman, A.B., M.A., LL.D., LITT.D., *Chancellor of the University*

Rufus Henry Fitzgerald, M.A., *Vice-Chancellor of the University*

C. Leonard O'Connell, A.B., PH.M., PHAR.D., *Dean of the School of Pharmacy*

Julius A. Koch, PH.D., SC.D., PHAR.D., *Dean Emeritus of the School of Pharmacy*

Professors

James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy*

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Edward Clarence Reif, PHAR.D., *Professor of Botany and Materia Medica*
Louis Saalbach, PHAR.D., *Emeritus Professor of Pharmacy*
John Herman Wurdack, PHAR.D., *Professor of Chemistry and Physics*

Assistant Professors

Edward Praegner Claus, B.S., M.S., PH.D., *Assistant Professor of Biology*
Bernard Forbes Daubert, B.S., PH.D., *Assistant Professor of Pharmacy, Leave of absence from February 1, 1943 to February 1, 1944*

Frank Stuart McGinnis, B.S., LITT.M., *Assistant Professor of Pharmacy*

Clarence Taylor Van Meter, B.S., PH.D.,
Assistant Professor of Chemistry and Physics

Stephen Wilson, B.S., M.A., PH.D.,
Assistant Professor of Pharmaceutical Economics and Pharmacy

Instructors

John Christiano, B.S., *Instructor in Mathematics*

John Frederick Lissfelt, B.MUS., LITT.M., *Instructor in German*

William Pettit, A.B., LL.B., *Instructor in Pharmaceutical Jurisprudence, Leave of absence in Armed Forces*

George Yost, PH.D., *Instructor in English*

Graduate Assistants

Vance Emerick Brumbaugh, B.S., *Graduate Assistant in Pharmacy at Falk Clinic*

Herbert Frederick Schwartz II, B.S., *Graduate Assistant in Chemistry*

1944-1945

Administration and Faculty

John Gabbert Bowman, A.B., M.A., LL.D., LITT.D., *Chancellor of the University*

Rufus Henry Fitzgerald, M.A., LL.D., *Vice-Chancellor of the University*

C. Leonard O'Connell, A.B., PH.M., PHAR.D., *Dean of the School of Pharmacy*

Julius A. Koch, PH.D., SC.D., PHAR.D., *Dean Emeritus of the School of Pharmacy*

Professors

James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy*

George Carver, A.B., LITT.D., *Professor of English*

Leasure Kline Darbaker, PHAR.D., SC.D.,

Professor of Pharmacognosy and Bacteriology

Erle Fairfield, M.A., *Professor of Modern Languages*

Albert F. Judd, PHAR.D., *Emeritus Professor of Chemistry*

C. Leonard O'Connell, A.B., PH.M., PHAR.D., *Professor of Pharmacy*

Edward Clarence Reif, PHAR.D., *Professor of Botany and Materia Medica*

Louis Saalbach, PHAR.D., *Emeritus Professor of Pharmacy*

John Herman Wurdack, PHAR.D., *Professor of Chemistry and Physics*

Assistant Professors

Edward Praegner Claus, B.S., M.S., PH.D., *Assistant Professor of Biology*

Frank Stuart McGinnis, B.S., LITT.M., *Assistant Professor of Pharmacy*

Clarence Taylor Van Meter, B.S., PH.D.,

Assistant Professor of Chemistry and Physics

Stephen Wilson, B.S., M.A., PH.D., *Assistant Professor of Pharmacy*

Instructors

John Christiano, B.S., *Instructor in Mathematics*

William Pettit, A.B., LL.B., *Instructor in Pharmaceutical Jurisprudence, Leave of absence in Armed Forces*

Graduate Assistants

Josephine Sarah Certo, B.S., *Graduate Assistant at Falk Clinic*

Richard Henry Mattern, PH.G., *Graduate Assistant in Pharmacy*

Dorothy Vivian Monyak, B.S., *Graduate Assistant at Falk Clinic*

Herbert Frederick Schwartz II, B.S., *Graduate Assistant in Chemistry, Leave of absence in Armed Forces*

1945-1946

Administration and Faculty

John Gabbert Bowman, A.B., M.A., LL.D., LITT.D., *President of the University*

Rufus Henry Fitzgerald, M.A., LL.D., *Chancellor of the University*

Edward C. Reif, PH.C., PHAR.D., *Dean of the School of Pharmacy*

Julius A. Koch, PH.D., SC.D., PHAR.D., *Dean Emeritus of the School of Pharmacy*

C. Leonard O'Connell, A.B., PH.M., PHAR.D.,

Dean Emeritus of the School of Pharmacy

Professors

James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy*

Leasure Kline Darbaker, PHAR.D., SC.D.,

Professor of Pharmacognosy and Bacteriology

Albert F. Judd, PHAR.D., *Emeritus Professor of Chemistry*

Frank S. McGinnis, B.S., LITT.M., PH.D., *Professor of Pharmacy*

Edward C. Reif, PH.C., PHAR.D., *Professor of Materia Medica and Biology*

Louis Saalbach, PHAR.D., *Emeritus Professor of Pharmacy*

Stephen Wilson, B.S., M.A., PH.D., *Professor of Pharmacy*

John H. Wurdack, PHAR.D., *Professor of Chemistry and Physics*

Lecturers

Kenneth L. Waters, PH.D., *Lecturer in Pharmacy*

Instructors

John Christiano, M.S., *Instructor in Mathematics*

Harry A. Gnatkowski, M.S., PH.D., *Instructor in German*

James A. Lowrie, PH.D., *Instructor in English*

William Pettit, A.B., LL.B., *Instructor in Pharmaceutical Jurisprudence, Leave of absence in Armed Forces*

Graduate Assistants

Betty Levy, B.S., *Graduate Assistant at Falk Clinic*

Richard Henry Mattern, PH.G., *Graduate Assistant at Falk Clinic*

Dorothy Vivian Monyak, B.S., *Graduate Assistant at Falk Clinic*

Herbert Frederick Schwartz II, B.S., *Graduate Student Assistant in Chemistry, Leave of absence in Armed Forces*

Louise R. Rosalund, B.S., *Graduate Student Assistant in Biology*

Anton Skurcenski, B.S., *Graduate Student Assistant in Chemistry*

1946-1947

Administration and Faculty

John Gabbert Bowman, A.B., M.A., LL.D., LITT.D., *President of the University*

Rufus Henry Fitzgerald, M.A., LL.D., *Chancellor of the University*

Edward C. Reif, PH.C., PHAR.D., *Dean of the School of Pharmacy*

Julius A. Koch, PH.D., SC.D., PHAR.D., *Dean Emeritus of the School of Pharmacy*

C. Leonard O'Connell, A.B., PH.M., PHAR.D.,

Dean Emeritus of the School of Pharmacy

Professors

James H. Beal, SC.D., PHAR.D., *Emeritus Professor of Pharmacy, Deceased*

Edward Praegner Claus, B.S., M.S., PH.D., *Professor of Pharmacognosy*

Leasure Kline Darbaker, PHAR.D., SC.D., *Emeritus Professor of Pharmacognosy and Bacteriology*

Albert F. Judd, PHAR.D., *Emeritus Professor of Chemistry*

Frank S. McGinnis, B.S., LITT.M., PH.D., *Professor of Pharmacy*

Edward C. Reif, PH.C., PHAR.D., *Professor of Pharmacology*

Louis Saalbach, PHAR.D., *Emeritus Professor of Pharmacy*

Stephen Wilson, B.S., M.A., PH.D., *Professor of Pharmacy*

John H. Wurdack, PHAR.D., *Professor of Chemistry and Physics*

Associate Professor

George Murray McKinley, PH.D., *Associate Professor of Biology*

Assistant Professors

Louis E. Marchi, PH.D., *Assistant Professor of Chemistry*

Harry A. Gnatkowski, M.S., PH.D., *Assistant Professor of German*

Lecturers

George D. Beal, PH.C., PHAR.D., PH.D.,

Professorial Lecturer in Pharmaceutical Chemistry

Dana R. Peterson, B.S., M.ED., *Lecturer in Pharmaceutical Economics*

William Pettit, A.B., LL.B., *Lecturer in Pharmaceutical Jurisprudence*

Kenneth L. Waters, PH.D., *Lecturer in Pharmacy*
Angelo M. Williams, M.D., M.P.H., *Lecturer in Hygiene and Public Health*

Instructors

John Christiano, M.S., *Instructor in Mathematics*
William Clarke Kelly, B.S., *Instructor in Physics*
James A. Lowrie, PH.D., *Instructor in English*
Richard Henry Mattern, B.S., *Chief Pharmacist at Falk Clinic and Instructor in Pharmacy*

Graduate Assistants

George Stuart Currier, B.S., *Graduate Student Assistant in English*
Joseph Kachun, A.B., *Graduate Student Assistant in Mathematics*
Betty Levy, B.S., *Graduate Assistant at Falk Clinic*
Michael J. McHale, A.B., *Graduate Student Assistant in English*
Dorothy Vivian Monyak, B.S., *Graduate Assistant at Falk Clinic*
Anton Skurcenski, B.S., *Graduate Student Assistant in Chemistry*

Assistants

John E. Lehnhardt, B.S., *Assistant in Chemistry*
Vincent P. Loebig, B.S., *Custodian of Supplies and Assistant in Pharmacy*
George W. Meals, B.S., *Assistant in Physics*
Edward Adams Reif, B.S., *Assistant in Biology*
Gizella Bodner Segin, PH.G., *Assistant in Pharmacy*
Anna Marguerite Stuchell, B.S., *Assistant in Pharmacy*
Robert Walkingshaw, B.S., *Assistant in Chemistry*
Henry Elden West, B.S., *Assistant in Pharmacy*

1947-1948

Administration and Faculty

John Gabbert Bowman, A.B., M.A., LL.D., LITT.D., *President of the University*
Rufus Henry Fitzgerald, M.A., LL.D., *Chancellor of the University*
Edward C. Reif, PH.C., PHAR.D., *Dean of the School of Pharmacy*
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Albert F. Judd, PHAR.D., *Emeritus Professor of Chemistry, Deceased*
Frank S. McGinnis, B.S., LITT.M., PH.D., *Professor of Pharmacy*
Edward C. Reif, PH.C., PHAR.D., *Professor of Pharmacology*

Louis Saalbach, PHAR.D., *Emeritus Professor of Pharmacy*

Stephen Wilson, B.S., M.A., PH.D., *Professor of Pharmacy*

John H. Wurdack, PHAR.D., *Professor of Chemistry and Physics*

Associate Professor

George Murray McKinley, PH.D., *Associate Professor of Biology*

Assistant Professors

Louis E. Marchi, PH.D., *Assistant Professor of Chemistry*

Harry A. Gnatkowski, M.S., PH.D., *Assistant Professor of German*

Lecturers

George D. Beal, PH.C., PHAR.D., PH.D.,

Professorial Lecturer in Pharmaceutical Chemistry

Dwight L. Deardorff, PH.D., *Lecturer in Pharmacy*

Frank D. Johnston, Jr., B.S., *Lecturer in English*

Michael J. McHale, A.B., *Lecturer in English*

Dana R. Peterson, B.S., M.ED., *Lecturer in Pharmaceutical Economics*

William Pettit, A.B., LL.B., *Lecturer in Pharmaceutical Jurisprudence*

Anton Skurcenski, B.S., *Lecturer in Chemistry*

Angelo M. Williams, M.D., M.P.H.,

Lecturer in Physiology, Public Health and Hygiene

Instructors

Henry Freiser, PH.D., *Instructor in Chemistry*

Joseph Kachun, A.B., *Instructor in Mathematics*

William Clarke Kelly, B.S., *Instructor in Physics*

John E. Lehnhardt, B.S., *Instructor in Chemistry*

Vincent P. Loebig, B.S., *Instructor in Pharmacy*

Richard Henry Mattern, B.S., *Chief Pharmacist at the Falk Clinic and Instructor in Pharmacy*

Henry E. West, B.S., *Instructor in Pharmacy*

Graduate Assistants

Peter P. Hons, B.S., *Graduate Assistant in Bacteriology*

William F. Lester, B.S., *Graduate Assistant in Physiology*

Betty Levy, B.S., *Graduate Assistant at Falk Clinic*

Dorothy Vivian Monyak, B.S., *Graduate Assistant at Falk Clinic*

Assistants

Richard S. Canter, B.S., *Assistant in Chemistry*

Patsy DiPasquale, B.S., *Assistant in Chemistry*

Herman H. Landy, B.S., *Assistant in Chemistry*

Bruce Manley, B.S., *Assistant in Physics*

George W. Meals, B.S., *Assistant in Physics*

Edward Adams Reif, B.S., *Assistant in Biology*

1948-1949

Administration and Faculty

Rufus Henry Fitzgerald, M.A., LL.D., *Chancellor of the University*

John Gabbert Bowman, A.B., M.A., LL.D., LITT.D.,

President Honorarius of the University

Edward C. Reif, PH.C., PHAR.D., *Dean of the School of Pharmacy*

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C. Leonard O'Connell, A.B., PH.M., PHAR.D.,

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and Bacteriology*

Frank S. McGinnis, B.S., LITT.M., PH.D., *Professor of Pharmacy, Deceased*

Edward C. Reif, PH.C., PHAR.D., *Professor of Pharmacology*

Louis Saalbach, PHAR.D., *Emeritus Professor of Pharmacy*

Stephen Wilson, B.S., M.A., PH.D., *Professor of Pharmacy*

John H. Wurdack, PHAR.D., *Professor of Chemistry and Physics*

Assistant Professor

Joseph A. Bianculli, B.S., PH.D.,

Assistant Professor of Pharmaceutical Chemistry

Lecturers

George D. Beal, PH.C., PHAR.D., PH.D., *Professorial Lecturer in Pharmaceutical
Chemistry*

Dwight L. Deardorff, PH.D., *Lecturer in Pharmacy*

William Pettit, A.B., LL.B., *Lecturer in Pharmaceutical Jurisprudence*

Angelo M. Williams, M.D., M.P.H.,

Lecturer in Physiology, Public Health and Hygiene

Louis W. Yagle, PH.G., *Lecturer in Pharmaceutical Arithmetic*

Instructors

John E. Lehnhardt, B.S., *Instructor in Chemistry*

Vincent P. Loebig, B.S., *Instructor in Pharmacy*

Richard Henry Mattern, B.S., *Instructor in Pharmacy and Chief Pharmacist at
Falk Clinic*

Henry E. West, B.S., *Instructor in Pharmacy*

Graduate Student Assistant

Sylvan M. Sax, B.S., *Graduate Student Assistant in Pharmacy*

Assistants

Richard M. Doughty, B.S., *Assistant in Chemistry*

Dorothea A. Janosko, B.S., *Assistant in Chemistry*

Betty Levy, B.S., *Assistant in Pharmacy and Pharmacist at Falk Clinic*

Dorothy Vivian Monyak, B.S.,

Assistant in Pharmacy and Pharmacist at Children's Hospital

George Robic, B.S., *Assistant in Pharmacognosy*

Jeanne R. Smaldone, B.S., *Assistant in Biological Sciences*

Edward Tillman, B.S., *Assistant in Pharmacy*

George Wolff, PH.G., D.S.C., *Assistant in Physiology*

Laboratory Assistants

Peter Bercia, B.S., *Chemistry*

Patsy DiPasquale, B.S., *Chemistry*

Herman H. Landy, B.S., *Chemistry*

Bruce Manley, B.S., *Physics*

George W. Meals, B.S., *Physics*

Edward A. Reif, B.S., *Bacteriology*

John N. Scarsellato, B.S., *Pharmacology*

1949-1950

Administration and Faculty

Rufus Henry Fitzgerald, M.A., L.H.D., HH.D., LL.D.,

Chancellor of the University

John Gabbert Bowman, A.B., M.A., LL.D., LITT.D.,

President Honorarius of the University

Edward C. Reif, PH.C., PHAR.D., *Dean of the School of Pharmacy*

Stephen Wilson, B.S., M.A., PH.D., *Vice-Dean of the School of Pharmacy*

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Edward C. Reif, PH.C., PHAR.D., *Professor of Pharmacology*

Louis Saalbach, PHAR.D., *Emeritus Professor of Pharmacy*

Stephen Wilson, B.S., M.A., PH.D., *Professor of Pharmacy*

John H. Wurdack, PHAR.D., *Professor of Chemistry and Physics*

Assistant Professor

Joseph A. Bianculli, B.S., PH.D.,

Assistant Professor of Pharmaceutical Chemistry

Lecturers

George D. Beal, PH.C., PHAR.D., PH.D.,

Professorial Lecturer in Pharmaceutical Chemistry

William Pettit, A.B., LL.B., *Lecturer in Pharmaceutical Jurisprudence*

Angelo M. Williams, M.D., M.P.H.,
Lecturer in Physiology, Public Health and Hygiene

Louis W. Yagle, PH.G., *Lecturer in Pharmaceutical Arithmetic*

Instructors

Richard M. Doughty, B.S., *Instructor in Pharmacognosy*

John E. Lehnhardt, B.S., *Instructor in Chemistry*

Richard H. Mattern, B.S., *Instructor in Pharmacy and Chief Pharmacist at the
Falk Clinic*

Sylvan M. Sax, B.S., *Instructor in Pharmacy*

Jeanne R. Smaldone, B.S., *Instructor in Pharmacognosy*

Edward Tillman, B.S., *Instructor in Pharmacy*

Graduate Assistants

Rose Goldfield, B.S., *Chemistry*

Edward S. Hudak, B.S., *Chemistry*

Betty Levy, B.S., *Pharmacy; Pharmacist at Falk Clinic*

Dorothy V. Monyak, B.S., *Pharmacy; Pharmacist at Children's Hospital*

George Wolff, PH.G., D.S.C., *Physiology*

Paul H. Wurdack, B.S., *Pharmacy*

1950-1951

Administration and Faculty

Rufus Henry Fitzgerald, M.A., L.H.D., HH.D., LL.D., *Chancellor of the University*

John Gabbert Bowman, A.B., M.A., LL.D., LITT.D.,

President Honorarius of the University

Edward C. Reif, PH.C., PHAR.D., *Dean of the School of Pharmacy*

Stephen Wilson, B.S., M.A., PH.D., *Vice-Dean of the School of Pharmacy*

Julius A. Koch, PH.D., SC.D., PHAR.D., *Dean Emeritus of the School of Pharmacy*

C. Leonard O'Connell, A.B., PH.M., PHAR.D.,

Dean Emeritus of the School of Pharmacy

Professors

Edward P. Claus, B.S., M.S., PH.D., *Professor of Pharmacognosy*

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Louis Saalbach, PHAR.D., *Emeritus Professor of Pharmacy*

Stephen Wilson, B.S., M.A., PH.D., *Professor of Pharmacy*

John H. Wurdack, PHAR.D., *Professor of Chemistry*

Associate Professor

Joseph A. Bianculli, B.S., PH.D.,

Associate Professor of Pharmaceutical Chemistry

Assistant Professor

Robert W. Sager, B.S., M.S., PH.D., *Assistant Professor of Pharmacy*

Instructors

Jeanne S. Cappelli, B.S., *Instructor in Pharmacognosy*

Richard M. Doughty, B.S., *Instructor in Pharmacognosy*

John E. Lehnhardt, B.S., *Instructor in Chemistry*

Richard H. Mattern, B.S.,

Instructor in Pharmacy and Chief Pharmacist at Falk Clinic

Sylvan M. Sax, B.S., *Instructor in Pharmacy*

Lecturers

George D. Beal, PH.C., PHAR.D., PH.D.,

Professorial Lecturer in Pharmaceutical Chemistry

Rose Goldfield, B.S., *Lecturer in Chemistry*

Edward S. Hudak, B.S., *Lecturer in Chemistry*

Betty Levy, B.S., *Pharmacist at Falk Clinic, Lecturer in Pharmacy*

Dorothy V. Monyak, B.S.,

Pharmacist at Children's Hospital, Lecturer in Pharmacy

William Pettit, A.B., LL.B., *Lecturer in Pharmaceutical Jurisprudence*

Angelo M. Williams, M.D., M.P.H.,

Lecturer in Physiology, Public Health and Hygiene

George Wolff, PH.G., D.S.C., *Lecturer in Physiology*

Paul J. Wurdack, B.S., *Lecturer in Pharmacy*

Louis W. Yagle, PH.G., *Lecturer in Pharmaceutical Arithmetic*

Graduate Student Assistants

August G. Danti, B.S., *Graduate Student Assistant in Pharmacy*

James C. Newcomb, B.S., *Graduate Student Assistant in Pharmacy*

1951-1952

Administration and Faculty

Rufus Henry Fitzgerald, M.A., L.H.D., HH.D., LL.D., *Chancellor of the University*

John Gabbert Bowman, A.B., M.A., LL.D., LITT.D.,

President Honorarius of the University

Edward C. Reif, PH.C., PHAR.D., *Dean of the School of Pharmacy*

Stephen Wilson, B.S., M.A., PH.D., *Vice-Dean of the School of Pharmacy*

Julius A. Koch, PH.D., SC.D.; PHAR.D., *Dean Emeritus of the School of Pharmacy*

C. Leonard O'Connell, A.B., PH.M., PHAR.D.,

Dean Emeritus of the School of Pharmacy

Professors

Edward P. Claus, B.S., M.S., PH.D., *Professor of Pharmacognosy*

Edward C. Reif, PH.C., PHAR.D., *Professor of Pharmacology*

Louis Saalbach, PHAR.D., *Emeritus Professor of Pharmacy*

Stephen Wilson, B.S., M.A., PH.D., *Professor of Pharmacy*

John H. Wurdack, PHAR.D., *Professor of Chemistry*

Associate Professor

Joseph A. Bianculli, B.S., PH.D.,

Associate Professor of Pharmaceutical Chemistry

Assistant Professor

Robert W. Sager, B.S., M.S., PH.D., *Assistant Professor of Pharmacy*

Instructors

Jeanne S. Cappelli, B.S., *Instructor in Pharmacognosy*

Richard M. Doughty, B.S., *Instructor in Pharmacognosy*

John E. Lehnhardt, B.S., *Instructor in Chemistry*

Richard H. Mattern, B.S.,

Instructor in Pharmacy and Chief Pharmacist at Falk Clinic

Sylvan M. Sax, B.S., *Instructor in Pharmacy*

Lecturers

George D. Beal, PH.C., PHAR.D., PH.D.,

Professorial Lecturer in Pharmaceutical Chemistry

Rose Goldfield, B.S., *Lecturer in Chemistry*

Edward S. Hudak, B.S., *Lecturer in Chemistry*

Betty Levy, B.S., *Pharmacist at Falk Clinic and Lecturer in Pharmacy*

Dorothy V. Monyak, B.S.,

Pharmacist at Children's Hospital and Lecturer in Pharmacy

William Pettit, A.B., LL.B., *Lecturer in Pharmaceutical Jurisprudence*

Angelo M. Williams, M.D., M.P.H.,

Lecturer in Physiology, Public Health and Hygiene

George Wolff, PH.G., D.S.C., *Lecturer in Physiology*

Paul J. Wurdack, B.S., *Lecturer in Pharmacy*

George A. Kelly, (Sr.) Teaching Fellows

George B. Hook, B.S., *Teaching Fellow in Pharmacy Administration*

Joseph D. McEvilla, B.S., *Teaching Fellow in Pharmacy Administration*

Graduate Student Assistants

August G. Danti, B.S., *Graduate Student Assistant in Pharmacy*

James C. Newcomb, B.S., *Graduate Student Assistant in Pharmacy*

1952-1953

Administration and Faculty

Rufus Henry Fitzgerald, M.A., L.H.D., HH.D., LL.D., *Chancellor of the University*

John Gabbert Bowman, A.B., M.A., LL.D., LITT.D., *President Honorarius of the University*

Edward C. Reif, PH.C., PHAR.D., *Dean of the School of Pharmacy*

Stephen Wilson, B.S., M.A., PH.D., *Vice-Dean of the School of Pharmacy*

Julius A. Koch, PH.D., SC.D., PHAR.D., *Dean Emeritus of the School of Pharmacy*

C. Leonard O'Connell, A.B., PH.M., PHAR.D., *Dean Emeritus of the School of Pharmacy*

Professors

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Stephen Wilson, B.S., M.A., PH.D., *Professor of Pharmacy*

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Associate Professors

Joseph A. Bianculli, B.S., PH.D.,

Associate Professor of Pharmaceutical Chemistry

Robert W. Sager, B.S., M.S., PH.D., *Associate Professor of Pharmacy*

Assistant Professor

Joseph P. Buckley, B.S., M.S., PH.D., *Assistant Professor of Pharmacology*

Instructors

Jeanne S. Cappelli, B.S., *Instructor in Pharmacognosy*

August G. Danti, B.S., M.S., *Instructor in Pharmacy*

George B. Hook, B.S., M.S., *Instructor in Pharmacy Administration*

Richard H. Mattern, B.S., *Instructor in Pharmacy and Chief Pharmacist at Falk Clinic*

Joseph D. McEvilla, B.S., M.S., *Instructor in Pharmacy Administration*

James C. Newcomb, B.S., M.S., *Instructor in Pharmacy*

Clarence K. Williamson, B.S., M.S., *Instructor in Biological Sciences*

Paul J. Wurdack, B.S., M.S., *Instructor in Pharmacy*

Lecturers

George D. Beal, PH.C., PHAR.D., PH.D., *Professorial Lecturer in Pharmaceutical Chemistry*

Rose Goldfield, B.S., *Lecturer in Chemistry*

Edward S. Hudak, B.S., *Lecturer in Chemistry*

Betty Levy, B.S., *Pharmacist at Falk Clinic; Lecturer in Pharmacy*

Dorothy V. Monyak, B.S.,

Pharmacist at Children's Hospital; Lecturer in Pharmacy

William Pettit, A.B., LL.B., *Lecturer in Pharmaceutical Jurisprudence*

Ethel C. Richards, B.S., M.S., *Lecturer in Biological Science*

George A. Kelly, (Sr.) Teaching Fellow

Richard B. Farrow, B.S., *Teaching Fellow in Pharmacy*

Graduate Student Assistant

William L. Blockstein, B.S., *Graduate Student Assistant in Pharmacy*

1953-1954

Administration and Faculty

Rufus Henry Fitzgerald, M.A., L.H.D., HH.D., LL.D., *Chancellor of the University*

John Gabbert Bowman, A.B., M.A., LL.D., LITT.D.,

President Honorarius of the University

Edward C. Reif, PH.C., PHAR.D., *Dean of the School of Pharmacy*

Julius A. Koch, PH.D., SC.D., PHAR.D., *Dean Emeritus of the School of Pharmacy*

C. Leonard O'Connell, A.B., PH.D., PHAR.D.,

Dean Emeritus of the School of Pharmacy

William L. Blockstein, B.S., M.S., *Administrative Assistant to the Dean*

Professors

Edward P. Claus, B.S., M.S., PH.D., *Professor of Pharmacognosy*

Edward C. Reif, PH.C., PHAR.D., *Professor of Pharmacology*

Louis Saalbach, PHAR.D., *Emeritus Professor of Pharmacy*

John H. Wurdack, PHAR.D., *Professor of Chemistry*

Associate Professors

Joseph A. Bianculli, B.S., PH.D.,

Associate Professor of Pharmaceutical Chemistry

Robert W. Sager, B.S., M.S., PH.D., *Associate Professor of Pharmacy*

Assistant Professor

Joseph P. Buckley, B.S., M.S., PH.D., *Assistant Professor of Pharmacology*

Instructors

Jeanne S. Cappelli, B.S., *Instructor in Pharmacognosy*

August G. Danti, B.S., M.S., *Instructor in Pharmacy*

George B. Hook, B.S., M.S., *Instructor in Pharmacy Administration*

Richard H. Mattern, B.S.,

Instructor in Pharmacy and Chief Pharmacist at Falk Clinic

Joseph D. McEvilla, B.S., M.S., *Instructor in Pharmacy Administration*

James C. Newcomb, B.S., M.S., *Instructor in Pharmacy*

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Paul J. Wurdack, B.S., M.S., *Instructor in Pharmacy*

Lecturers

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Edward S. Hudak, B.S., *Lecturer in Chemistry*

Betty Levy, B.S., *Pharmacist at Falk Clinic; Lecturer in Pharmacy*

Dorothy V. Monyak, B.S.,

Pharmacist at Children's Hospital, Lecturer in Pharmacy

Ethel C. Richards, B.S., M.S., *Lecturer in Biological Sciences*

William Pettit, A.B., LL.B., *Lecturer in Pharmaceutical Jurisprudence*

George A. Kelly, (Sr.) Teaching Fellow

Richard B. Farrow, B.S., *Teaching Fellow in Pharmacy*

MEMBERS OF OTHER FACULTIES GIVING INSTRUCTION

1953-1954

The College

Leo C. Bemis, M.ED., *Assistant Professor of Physical Education, Men's Division*

Ralph E. Buchsbaum, PH.D., *Professor of Zoology*

John G. Christiano, PH.D., *Assistant Professor of Mathematics*

Margaret E. Covert, M.ED., *Professor of Physical Education and Director of
Required Program, Women's Division*

Lloyd T. Duff, B.S. IN ED., *Instructor in Physical Education, Men's Division*

Bodie E. Douglas, PH.D., *Assistant Professor of Chemistry*

T. H. Dunkelberger, PH.D., *Professor of Chemistry*

Henry S. Frank, PH.D., *Professor of Chemistry; Head of the Department*

Dorothea B. Gardner, M.A., *Instructor in English*

Peter Gray, PH.D., D.I.C., *Professor of Zoology; Head of the Department of
Biological Sciences*

David Halliday, PH.D., *Professor of Physics; Head of the Department*

Richard T. Hartman, PH.D., *Assistant Professor of Botany*

Fred Y. Herron, PH.D., *Lecturer in Chemistry*

John S. Holleran, M.A., *Lecturer in History*

Putnam F. Jones, PH.D., *Professor of English; Chairman of the Departmental
Committee*

Joseph Kachun, A.B., *Instructor in Mathematics*

William Clarke Kelly, PH.D., *Assistant Professor of Physics*

John C. Knipp, PH.D., *Professor of Mathematics*

Elmer C. Kovacs, B.S., *Instructor in Mathematics*

Herbert G. McGibbeny, M.A., *Instructor in Physical Education, Men's Division*

Elizabeth R. McIntosh, LITT.M., *Lecturer in English*

Ralph Mitterling, M.A., *Assistant Professor of Physical Education, Men's Di-
vision*

Carl Olson, M.ED., *Professor of Physical Education; Head, Men's Division
of Department*

Rex A. Peery, M.S., *Assistant Professor of Physical Education, Men's Division*

Carl A. Peterson, M.S., *Associate Professor of Physical Education, Men's Di-
vision*

Hurd W. Safford, PH.D., *Associate Professor of Chemistry*

Eliot B. Spiess, PH.D., *Assistant Professor of Zoology*

James S. Taylor, PH.D., *Professor of Mathematics; Head of the Department*

John H. Wotiz, PH.D., *Assistant Professor of Chemistry*

Mildred Yetter, A.B., *Lecturer in English*

School of Business Administration

Athanassios Anastassiades, PH.D., *Instructor in Economics*

Arend E. Boer, PH.D., *Professor of Marketing*

John M. Ferguson, PH.D., JUR.D., *Associate Professor of Economics*

Bernard H. Friedman, M.A., *Instructor in Economics*

Thomas P. Hogan, M.A., *Instructor in Economics*

Asher Isaacs, PH.D., *Professor of Economics*

Joseph Macek, DR.IURIS., *Lecturer in Economics*

Reginald H. Scott, A.B., *Assistant Professor of Economics*

Reuben E. Slesinger, PH.D., *Associate Professor of Economics*

Graduate School of Public Health

Glidden L. Brooks, M.D., *Professor of Hospital Administration*

Merle Bundy, M.D., M.P.H., *Lecturer in Public Health Practice*

Carl C. Kuehn, M.D., M.P.H., *Lecturer in Public Health Practice*

Walter J. Mc Nerney, M.H.A., *Assistant Professor of Hospital Administration*

Janice E. Mickey, R.N., M.S., *Associate Professor of Public Health Nursing*

Robert E. Olson, PH.D., M.D., *Professor of Biochemistry and Nutrition; Head of the Department*

Mary E. Patno, M.S., *Lecturer in Biostatistics*

Gladys Sather, M.P.H., *Research Associate in Epidemiology*

Maurice A. Shapiro, M.ENG., *Assistant Professor of Sanitary Engineering*

Graham C. Taylor, M.D.C.M., *Assistant Professor of Mental Health*

Samuel M. Wishik, M.D., M.P.H., *Professor of Maternal and Child Health*

School of Dentistry

Milton E. Nicholson, D.D.S., *Associate Professor of Public Health Dentistry*

1954-1955

Administration and Faculty

Rufus Henry Fitzgerald, M.A., L.H.D., HH.D., LL.D., *Chancellor of the University*

Robert A. Moore, M.D., PH.D.,

Vice Chancellor for the Schools of the Health Professions

John Gabbert Bowman, A.B., M.A., LL.D., LITT.D.,

President Honorarius of the University

Edward C. Reif, PH.C., PHAR.D., *Dean of the School of Pharmacy*

William L. Blockstein, B.S., M.S., *Administrative Assistant to the Dean*

Julius A. Koch, PH.D., SC.D., PHAR.D., *Dean Emeritus of the School of Pharmacy*

C. Leonard O'Connell, A.B., PH.M., PHAR.D.,

Dean Emeritus of the School of Pharmacy

Professors

Edward P. Claus, B.S., M.S., PH.D., *Professor of Pharmacognosy*

Edward C. Reif, PH.C., PHAR.D., *Professor of Pharmacology*

Louis Saalbach, PHAR.D., *Emeritus Professor of Pharmacy*

John H. Wurdack, PHAR.D., *Professor of Chemistry*

Associate Professors

Joseph A. Bianculli, B.S., PH.D.,

Associate Professor of Pharmaceutical Chemistry

Robert W. Sager, B.S., M.S., PH.D., *Associate Professor of Pharmacy*

Assistant Professors

Joseph P. Buckley, B.S., M.S., PH.D., *Assistant Professor of Pharmacology*

Robert J. F. Palchak, B.S., M.S., PH.D., *Assistant Professor of Pharmacy*

Instructors

William L. Blockstein, B.S., M.S., *Instructor in Pharmacy*

John J. DeFeo, B.S., M.S., PH.D., *Instructor in Pharmacology*

Rose Goldfield, B.S., M.S., *Instructor in Chemistry*

George B. Hook, B.S., M.S., *Instructor in Pharmacy Administration*

Edward S. Hudak, B.S., M.S., *Instructor in Chemistry*

Joseph D. McEvilla, B.S., M.S., *Instructor in Pharmacy Administration*

James C. Newcomb, B.S., M.S., *Instructor in Pharmacy*

Clarence K. Williamson, B.S., M.S., *Instructor in Biological Sciences*

Paul J. Wurdack, B.S., M.S., *Instructor in Pharmacy*

Lecturers

George D. Beal, PH.C., PHAR.D., PH.D., *Professorial Lecturer in Pharmaceutical Chemistry*

Betty L. Friedman, B.S., *Pharmacist at Falk Clinic; Lecturer in Pharmacy*

Richard H. Mattern, B.S., *Pharmacist at Falk Clinic; Lecturer in Pharmacy*

Dorothy V. Monyak, B.S.,

Pharmacist at Children's Hospital; Lecturer in Pharmacy

William Pettit, A.B., LL.B., *Lecturer in Pharmaceutical Jurisprudence*

MEMBERS OF OTHER FACULTIES GIVING INSTRUCTION

1954-1955

The College

Leo C. Bemis, M.ED., *Assistant Professor of Physical Education, Men's Division*

J. O. Blumberg, PH.D., *Associate Professor of Mathematics*

John G. Christiano, PH.D., *Assistant Professor of Mathematics*

Margaret E. Covert, M.ED., *Professor of Physical Education and Director of Required Program, Women's Division*

Lloyd T. Duff, M.ED., *Instructor in Physical Education, Men's Division*

Bodie E. Douglas, PH.D., *Assistant Professor of Chemistry*

- T. H. Dunkelberger, PH.D., *Professor of Chemistry*
 Henry S. Frank, PH.D., *Professor of Chemistry; Head of the Department*
 Peter Gray, PH.D., D.I.C., *Professor of Zoology; Head of the Department of Biological Sciences*
 David Halliday, PH.D., *Professor of Physics; Head of the Department*
 William W. Hummel, M.A., *Lecturer in History*
 Putnam F. Jones, PH.D., *Professor of English; Chairman of the Departmental Committee*
 Frederic Keffer, PH.D., *Assistant Professor of Physics*
 William Clarke Kelly, PH.D., *Associate Professor of Physics*
 John C. Knipp, PH.D., *Professor of Mathematics*
 Elmer C. Kovacs, B.S., *Instructor in Mathematics*
 Abe Laufe, PH.D., *Assistant Professor of English*
 George Laush, PH.D., *Associate Professor of Mathematics*
 Herbert G. McGibbeny, M.A., *Assistant Professor of Physical Education, Men's Division*
 Ralph Mitterling, M.A., *Assistant Professor of Physical Education, Men's Division*
 Earle F. Myers, A.B., *Assistant Professor of Mathematics*
 Carl Olson, M.ED., *Professor of Physical Education; Head, Men's Division*
 Rex A. Perry, M.S., *Assistant Professor of Physical Education, Men's Division*
 Carl A. Peterson, M.S., *Associate Professor of Physical Education, Men's Division*
 Hurd W. Safford, PH.D., *Associate Professor of Chemistry*
 James S. Taylor, PH.D., *Professor of Mathematics; Head of the Department*
 Helen M. A. Urquhart, PH.D., *Instructor in Physics*
 John R. Wilson, Jr., A.B., *Lecturer in English*
 Mildred Yetter, A.B., *Lecturer in English*
 School of Business Administration
 Athanassios Anastassiades, PH.D., *Instructor in Economics*
 Arend E. Boer, PH.D., *Professor of Marketing*
 John M. Ferguson, PH.D., JUR.D., *Associate Professor of Economics*
 Bernard H. Friedman, M.A., *Instructor in Economics*
 Asher Isaacs, PH.D., *Professor of Economics*
 Joseph Macek, DR.IURIS., *Professor of Economics*
 Reginald H. Scott, A.B., *Assistant Professor of Economics*
 Reuben E. Slesinger, PH.D., *Associate Professor of Economics*
 Graduate School of Public Health
 Francis S. Cheever, M.D., *Professor of Microbiology*
 Antonio Ciocco, SC.D. (Econ.), SC.D. (Hyg.), *Professor of Biostatistics; Head of the Department*

Sidney Cobb, M.D., M.P.H., *Associate Professor of Biostatistics and Epidemiology*

James A. Crabtree, M.D., DR.P.H., *Professor of Public Health Practice; Head of the Department*

Leslie A. Falk, M.D., D.PHIL., (Oxon), *Lecturer in Public Health Practice*

Theodore F. Hatch, S.M., *Professor of Industrial Health Engineering*

John R. McGibony, M.D., *Professor of Hospital and Medical Administration*

Walter J. McNerney, M.H.A., *Assistant Professor of Hospital Administration*

Janice E. Mickey, R.N., M.S., *Associate Professor of Public Health Nursing*

Robert E. Olson, PH.D., M.D., *Professor of Biochemistry and Nutrition; Head of the Department*

Maurice A. Shapiro, M.ENG., *Assistant Professor of Sanitary Engineering*

Graham C. Taylor, M.D.C.M., *Assistant Professor of Mental Health*

Samuel M. Wishik, M.D., M.P.H., *Professor of Maternal and Child Health
School of Dentistry*

Milton E. Nicholson, D.D.S., M.P.H., *Associate Professor of Public Health
Dentistry*

School of Nursing

Frances L. George, R.N., M.A., *Professor of Nursing Education*

BIOGRAPHIES OF

THE FACULTY OF THE SCHOOL OF PHARMACY

whose names appear on the roster since the institution was incorporated in 1878 consisted from time to time of teachers with the rank of professor, associate professor, assistant professor, instructor, or lecturer.

Graduate student assistants, fellows, student assistants and laboratory assistants, as members of the teaching staff also contributed to the education of the student.

Among these teachers were many scholarly gentlemen of noble character.

It is but fitting and proper that we pay tribute to those self sacrificing individuals who gave so liberally of their time and substance to lay the foundation of an institution so that it would become a credit to the community for which it was created to serve.

Biographical sketches of those who have served the school for ten years or more follow.

FREDERICK THEODORE ASCHMAN

Frederick T. Aschman was born in 1858 in Hudson City, New Jersey. At the age of seven he was taken to Europe, where he received his common school education. He returned to this country at the age of seventeen and entered the

School of Mines of Columbia College, but graduated from this Institution in 1881 from the course of General and Applied Chemistry with the degree of PH.B. He was engaged in chemical practices in various sections of Western Pennsylvania until 1893. In that year he was elected Professor of Inorganic Chemistry with full charge of the chemical laboratories of The Pittsburgh College of Pharmacy. About this time too, 1892, he was appointed State Chemist for the State of Pennsylvania. Not only did Dr. Aschman lecture in chemistry and have charge of the chemical laboratories, but he was also interested in the library and secured additional books for its shelves. In 1897 he received the degree of PHAR.D. from The Pittsburgh College of Pharmacy.

Although Dr. Aschman relinquished the teaching in the chemical laboratories in 1905, he still was Professor of Chemistry and lectured until June 5, 1923, when he resigned. However, although he became Emeritus Professor of Chemistry, he still gave the students at The Pittsburgh College of Pharmacy special lectures on Food Analysis until his death, December 10, 1925.

GEORGE DENTON BEAL

George Denton Beal was born at Scio, Ohio on August 12, 1887, the son of James Hartley Beal and Fannie Snyder Young Beal. Following the completion of his preliminary education, he entered Scio College of Pharmacy and received the degrees of PH.C., PH.B., and PHAR.D. He served as an assistant in chemistry from 1906-08.

He entered Columbia University and was granted the degrees of A.M. in 1910, and PH.D. in 1911. He, like his father, received the honorary degree of PHAR.M. from the Philadelphia College of Pharmacy and Science (1933) and the SC.D. from Mount Union College (1933). He later became a member of the Board of Trustees of these institutions. He was also awarded the SC.D. (Honorary) from Rutgers University in 1943.

From 1911 to 1926 Dr. Beal was connected with the University of Illinois in different capacities from Instructor to Assistant Professor of Chemistry to Associate and finally Professor of Analytical and Food Chemistry. In 1926 he became an Assistant Director of Mellon Institute of Industrial Research, then director of research of the same institution, and is now retired.

He is a member of many organizations included among which are American Association for the Advancement of Science (Fellow); American Public Health Association Fellow; American Pharmaceutical Association (President 1936-37; Councillor 1942-52; 54- ; Chairman of the Council 1945-52); Pennsylvania Pharmaceutical Association; American Chemical Society (Councillor-at-large, 1939-44); Pennsylvania State Chamber of Commerce. He has held many important positions in these organizations. He is

also a member of the University Club of Pittsburgh and of the following fraternities: Phi Lambda Upsilon, Honorary Chemical Society, Alpha Chi Sigma, Gamma Alpha, Sigma Xi, Psi Kappa Omega, and Rho Chi.

In 1920 he won the Ebert Prize and in 1941 was awarded the Remington Medal.

He was a delegate to the United States Pharmacopoeial Convention, 1930, 1940, 1950.

Member, Committee of Revision, United States Pharmacopeia, Eleventh, Twelfth, Thirteenth, Fourteenth, and Fifteenth Decennial Revisions.

He is a trustee, U. S. Pharmacopoeial Convention, 1955.

He served on the Committee on the Pharmaceutical Survey, American Council on Education.

He is also a member of the Board of Directors of the American Council of Pharmaceutical Education.

He became a member of the Corporation of The Pittsburgh College of Pharmacy in 1930 and in 1932 he was elected a member of its Board of Trustees and served in this capacity until the merger with the University of Pittsburgh in 1948.

On July 3, 1912, Miss Edith Downs and Dr. Beal were married at Scio, Ohio. There are two children, George Denton Beal Jr. and Marjorie Downs Beal.

In 1946 he became Professorial Lecturer in Pharmaceutical Chemistry.

He is a contributor to the Journal of the American Pharmaceutical Association and the Journals of the American Chemical Society.

JAMES HARTLEY BEAL

James Hartley Beal was born in New Philadelphia, Ohio on September 23, 1861. Early in life he became interested in studying the trees and plants of his neighborhood for his father was interested in botany as well as other natural sciences and in industry. Collecting drug plants became his hobby and selling them to pharmacists led to his being employed in a drugstore. He was employed in the pharmacy of George L. Tucker, Akron, Ohio and at the same time he took courses in Latin and Chemistry at Buchtel College (now University of Akron).

Dr. Beal later attended Scio College, Scio, Ohio from which he graduated with a B.S. degree in 1884. In 1886 he graduated from the Cincinnati College of Law with the LL.B. degree and was admitted to the bar in Ohio. He later returned to accept a teaching position at Scio College and received the A.B. degree from that institution in 1888. In 1894 he was awarded the degree of PH.G. from the Ohio Medical College. In 1887 he established the Scio College

of Pharmacy where he served as dean until that institution was merged with The Pittsburgh College of Pharmacy.

In 1902 Dr. Beal became Professor of Applied Pharmacy at The Pittsburgh College of Pharmacy and in 1905 taught Theoretical Pharmacy and served as director of the Pharmaceutical Laboratories. These positions he held until 1911, when he resigned on becoming elected editor of the Journal and Secretary of the American Pharmaceutical Association. From 1914 to 1920 he served as Director of Pharmaceutical research at the University of Illinois.

Upon his resignation as Professor of Pharmacy, Dr. Beal was elected to the chair of Pharmaceutical Jurisprudence which position he held until 1935.

He was one of the founders of the Pittsburgh Dental School (now the University of Pittsburgh School of Dentistry) where he taught chemistry and metallurgy for many years.

Dr. Beal served as President of the American Pharmaceutical Association in 1904-05, the Ohio State Pharmaceutical Association 1908, the American Conference of Pharmaceutical Faculties (now the American Association of Colleges of Pharmacy) 1907-08, and the National Drug Trade Conference 1918-20.

He was a trustee of the United States Pharmacopoeial Convention for many years and for thirty years served as chairman of the Board of Trustees.

Dr. Beal served as a member of the Ohio House of Representatives in 1901 and was author of the local option law which bears his name. His legal training enabled him to be a prominent factor in drafting the Federal Food and Drug Act and the Harrison Narcotic Act.

Under the National Pure Food and Drug Congress held in 1898 he served as chairman of the Committee on Uniformity of Methods of Analysis and Marketing of Food Products.

Dr. Beal wrote many articles on pharmacy in its various aspects thereby making a real contribution to pharmaceutical literature. He was also the author of several textbooks.

He was awarded the following honorary degrees: SC.D., Mt. Union College, 1895; PHAR.D., The Pittsburgh College of Pharmacy, 1902; PH.M. Philadelphia College of Pharmacy, 1913.

In recognition of his many services to pharmacy, Dr. Beal in 1919 became the first recipient of the Remington Medal.

On September 29, 1886, Dr. Beal was married to Fannie Snyder Young of Ulrichsville, Ohio. They had one son, Dr. George Denton Beal and one daughter Nannie Esther Beal Starkey.

Dr. James Hartley Beal died on September 20, 1945. He was the most outstanding figure in American Pharmacy, during his lifetime.

JOSEPH BIANCULLI

Joseph Bianculli was born in Pittsburgh, Pennsylvania on October 24, 1911. His early education was completed in the public schools and Westinghouse High School of Pittsburgh. In 1932 he graduated from the University of Pittsburgh with a B.S. degree. He entered The Pittsburgh College of Pharmacy and he was graduated June 1935 with a B.S. in PHAR. While in pharmacy school, Dr. Bianculli was an assistant in the chemical laboratory.

Dr. Bianculli received his pharmaceutical experience in retail drug stores in the Pittsburgh area and is registered as a pharmacist in the state of Pennsylvania.

In the meantime he had entered the Graduate School of the University of Pittsburgh and received the PH.D. degree in 1941. While doing his graduate work Dr. Bianculli was a Graduate Student Assistant in the School of Pharmacy from 1936 until 1942. In 1942 Dr. Bianculli began as research chemist with the American Cyanamid Company and worked in this capacity until 1945 when he went with Dr. C. T. Van Meter to Reed and Carnrick as Research Chemist and Assistant Director of Chemical Research. He functioned in this office until 1948 when he returned to the University of Pittsburgh School of Pharmacy as Assistant Professor of Pharmaceutical Chemistry. In 1950 he was advanced to Associate Professor of Pharmaceutical Chemistry and in September 1955 he was made Head of the Department of Pharmaceutical Chemistry and Professor of Pharmaceutical Chemistry.

Dr. Bianculli was married to Nancy Vaccarelli in 1940 and has three sons, Thomas, Arthur, and Paul.

He is a member of the American Pharmaceutical Association and the American Chemical Society. He also holds membership in the following fraternities, Sigma Xi, Phi Lambda Upsilon, Rho Chi, and is an honorary member of Alpha Zeta Omega.

Effective February 1, 1958 he was made acting dean.

HUGO BLANCK

Hugo Blanck was born in 1838 in Germany. He studied architecture, chemistry and medicine at the Universities of Leipsic, Berlin, Bonn, and Marburg after which he decided upon chemistry as a life's pursuit.

He assisted his father, who was a government engineer in building the dykes along the Rhine.

When he first came to America he entered the services of a New York firm but later came to Pittsburgh, as a chemist for the Standard Oil Company and Spang Chalfant Company. He resigned his position with Spang Chalfant Company in 1881 to become associated with The Pittsburgh College of Pharmacy to which he devoted much of his time.

As an analytical and consulting chemist he had his office and laboratory at 81 Fourth Avenue, Pittsburgh during 1882-83, at 77 Fourth Avenue during 1886-1889, and 97 Fourth Avenue during 1890-1893.

Dr. Blanck belonged to the Press Club, the Engineers Society, and the Microscopical Societies of Pittsburgh in which he was regarded as a highly valued and esteemed member, because of his high scholastic attainments.

His last illness began in 1891 when he contracted a cold during the time improvements were being made on the Hostetter Building in which his office and the College of Pharmacy were located. He never fully regained his health and died March 20, 1893.

Dr. Blanck was Professor of Organic Chemistry at The Pittsburgh College of Pharmacy from 1880 until the time of his death.

FREDERICK JOHN BLUMENSCHIEIN

Frederick John Blumenschein was the son of George and Sophie Blumenschein and was born in Pittsburgh on February 20, 1884. He completed his early education in the Pittsburgh Public Schools in Homewood. He received the PH.G. degree in 1902 and the PHAR.D. in 1904 from The Pittsburgh College of Pharmacy. On May 23, 1905 Dr. Blumenschein was elected to assist Dr. W. J. McAdams in Pharmacognosy and Bacteriology, a position he held until 1906 when he became the assistant to Dr. James H. Beal in Applied Pharmacy. Later he became assistant to Dr. Louis Saalbach also in Pharmacy. Dr. Blumenschein not only assisted in the laboratory but he also conducted quiz classes in pharmacy after June 4, 1907. On June 2, 1914 Dr. Blumenschein was made Associate Professor of Pharmacy and in 1923 he was elected to Professorship, a title which he held until his resignation June 1, 1926.

Dr. Blumenschein also taught in the University of Pittsburgh Dental School as an assistant to Dr. Albert F. Judd from 1904 to 1909.

On June 12, 1913 he married Elsie Gertrude Henning, the Secretary to the Dean of the College of Pharmacy. They had two children, Elsie Catherine who graduated from the College of Pharmacy in 1937 and who also married a pharmacist, Mr. Harry Bonchosky, and Gertrude who graduated from the College of Pharmacy in 1941 and then entered the University of Pittsburgh Medical School and was graduated from it in 1950.

When Dr. Blumenschein left school in 1926 he was then the owner of the West End Drug Store in Uniontown, Pennsylvania. His store has been moved several times but at present is located at 7 Pittsburgh Street, Uniontown and is known as Blumenschein's Pharmacy.

In 1936 Dr. Blumenschein became a member of the State Board of Pharmacy of Pennsylvania. He was Chairman of this group, a position which he held as long as he was a member, which was until 1942.

In 1937 Dr. Blumenschein received an honorary degree of PH.M. from the Philadelphia College of Pharmacy and Science.

Dr. Blumenschein was and still is a member of the local, state and national pharmaceutical associations.

From the time he began to teach at The Pittsburgh College of Pharmacy Dr. Blumenschein displayed a keen interest in the school and even after he went to Uniontown he retained his membership on its Board of Directors until its merger in 1948 an association which he had had since 1926.

THOMAS STEPHEN BROWN

Thomas Stephen Brown was born on November 23, 1855 at Hollidays Cove, Hancock County, West Virginia. After completing the work in the public schools, Mr. Brown spent one year at the Academy at New Hagerstown, Ohio, from which he entered the senior class of the Preparatory Department of Washington and Jefferson College in 1872. He graduated from this Institution in 1877 with the A.B. degree. He studied law and was admitted to the bar in West Virginia in 1879 and subsequently, in Allegheny County in 1881. He practiced law in Pittsburgh until his death.

Washington and Jefferson College conferred the degree of A.M. on Mr. Brown in 1900.

From 1895 until he resigned on April 26, 1910 because of the press of duties, Mr. Brown lectured to the students of The Pittsburgh College of Pharmacy on Pharmaceutical Law.

EDWARD P. CLAUS

Edward Praegner Claus was born in Pittsburgh, Pa., June 16, 1908. He was educated in the Pittsburgh Public Schools and was graduated from the South Side High School in 1924.

Dr. Claus began his apprenticeship in 1925 with Henry Lohmeyer of the South Side and was registered as a pharmacist in 1929.

In the fall of 1924 he was admitted to the pre-medical course in the college and attended until 1926 and in the fall of the same year he was admitted to the College of Pharmacy, from which he graduated in 1929, receiving the PH.G. degree and in 1930 received the degree of B.S. in PHAR.

Dr. Claus continued to do work at the graduate level and subsequently received the M.S. degree in 1935 and the PH.D. in 1940 from the University of Pittsburgh.

During his senior year in 1928-29, Dr. Claus served as an undergraduate assistant in the Chemical Laboratory and following his graduation (1929) he was made Instructor in Chemical Laboratory.

Dr. Claus' interests were primarily in the biological sciences and in Sep-

tember 1930 he was appointed Instructor in Pharmacognosy and began his work at the graduate level in the field of Botany and Biology. He held this position until 1942 when he was appointed Assistant Professor of Biology. In the summer of 1935, Dr. Claus served as a graduate assistant in Botany at the Lake Laboratory of the University of Pittsburgh which was located at Presque Isle near Erie, Pa.

In 1944 he obtained a leave of absence to accept an appointment as Associate Professor of Pharmacognosy and Pharmacology at the University of Puerto Rico College of Pharmacy.

In August 1945 he accepted the position of Assistant Professor of Botany and Pharmacognosy at the University of Illinois College of Pharmacy serving at the same time as Allergist for the Allergy Unit of the College of Medicine.

In September 1946 he returned to his Alma Mater as Professor of Pharmacognosy and in 1953 was made head of the department.

Dr. Claus is a member of the American Pharmaceutical Association and the American Association of Colleges of Pharmacy. In these organizations he has served actively on many committees.

He is a Past Officer of the Plant Science Seminar and is Past President of the Pennsylvania Academy of Science.

Dr. Claus is also an affiliate member of the American Academy of Allergy, a Fellow of the American Association for the Advancement of Science, and a member of the American Association of University Professors, The Botanical Society of America, American Society of Plant Taxonomists, and the Pennsylvania Allergy Society. Dr. Claus is also an active member of the Rho Chi Honorary Society, Phi Sigma Honorary Society, Society of Sigma Xi, the Druids, Kappa Psi Graduate Chapter and Omicron Delta Kappa.

Dr. Claus has published many papers and is author of a *Laboratory Manual for Pharmacognosy*, C. V. Mosby Co., St. Louis, Mo.

Dr. Claus was a member of the committee and faculty of the Teachers Seminar on Pharmacognosy held in Salt Lake City, August 1954 under the auspices of the American Association of Colleges of Pharmacy and sponsored by the American Foundation on Pharmaceutical Education.

On August 8, 1933 Dr. Claus married Margaret Barlow.

Effective February 1, 1957 he became dean of the Division of Pharmacy of the Ferris Institute, Big Rapids, Michigan.

LEASURE KLINE DARBAKER

Leasure Kline Darbaker, son of Harry David and Agnes Jane Kline Darbaker, was born January 13, 1879 in Pittsburgh, Pennsylvania. He received his early training in the public schools of McKeesport and Emlenton, Pennsylvania. Later he attended Grove City College, Ohio Northern University, and The

Pittsburgh College of Pharmacy. He received the PH.G. degree from The Pittsburgh College of Pharmacy in 1906 and the PHAR.D. degree in 1909 from the same institution. In 1937 Ohio Northern University honored Dr. Darbaker with a SC.D. degree. He did post doctorate work in England and Germany in 1909.

His apprenticeship in pharmacy was begun under H. R. Gilmore of Emlenton, Pennsylvania in 1900.

Upon graduation from The Pittsburgh College of Pharmacy, Dr. Darbaker was appointed in 1907 Assistant Instructor to Dr. William J. McAdams, who taught *Materia Medica*, Bacteriology, and Pharmacognosy. He replaced Dr. McAdams September 6, 1910 and became Professor in Pharmacognosy and Bacteriology. This position he held until retirement in July 1946 when he was made Emeritus Professor of Pharmacognosy and Bacteriology. He had taught for 39 years in the College of Pharmacy.

He was a member of the College Corporation from March 8, 1909 until it merged with the University.

Dr. Darbaker held membership in many social and scientific organizations among which are the following:

American Pharmaceutical Association, American Association for Advancement of Science, American Society of Bacteriologists, American Society of Plant Physiologists, American Public Health Association, Pennsylvania Academy of Science (President in 1937-1938), Plant Science Seminar (Chairman 1937), Phi Sigma, Kappa Psi Pharmaceutical Fraternity (Grand Historian for many years), and the Botanical Society of Western Pennsylvania.

On August 9, 1915 Dr. Darbaker married Susan B. King of Emlenton, Pennsylvania.

Dr. Darbaker died February 6, 1949. Upon his death Dr. Darbaker, under the terms of his will, established the Darbaker Scholarships.

Dr. Darbaker wrote many articles relating to the fields of Pharmacognosy and Bacteriology. He was author of manuals on Microscopy, Pharmacognosy, Microbiology, and Biology.

BERNARD F. DAUBERT

Bernard Forbes Daubert was born May 1, 1905 in Martins Ferry, Ohio. He received his elementary school training in the public schools of Martins Ferry, Ohio. In 1922 he graduated from Martins Ferry High School with highest honors. He entered The Pittsburgh College of Pharmacy the next year and in June 1925 he was graduated with second honor with the degree of Graduate in Pharmacy. In 1930 he attained the Bachelor of Science degree and later the PH.D. with a major in Chemistry from the Graduate School of the University of Pittsburgh.

While a student Dr. Daubert served as a student assistant in Bacteriology. Upon graduation he was appointed Instructor in Pharmacy and served in that capacity until 1933 when he was appointed Assistant Professor of Pharmacy.

December 21, 1942 Dr. Daubert asked for a year's leave of absence to work on a problem for the Buhl Foundation. At the end of the leave he transferred from the College of Pharmacy to the College of the University of Pittsburgh, Department of Chemistry, as a Senior Research Fellow in Biochemistry, the following year he became Assistant Professor of Chemistry. In 1945 he was made Associate Research Professor, in 1946, Research Professor, and in 1949 was made Professor and Research Administrator the position he held until June 30, 1951 at which time he resigned.

He was married to Dorothy Thelma Samuels June 8, 1925. They have two children, Margaret Helen and Sara Jean.

ALBERT F. JUDD

Albert Floyd Judd was the son of Frank A. and Alice Floyd Judd. He was born in Cleveland, Ohio, on December 3, 1871. A year later the family moved to Darlington, Pennsylvania. He attended the Darlington Public Schools and Greensburg Academy. In 1891, he began his apprenticeship in pharmacy, was graduated from The Pittsburgh College of Pharmacy in 1895 with the degree of Graduate in Pharmacy. In 1904 he received the degree of Doctor of Pharmacy from the same institution. He engaged in the drug business in Homestead from 1895 to 1898.

From 1897 until 1903 he was an assistant in *Materia Medica* and Botany at the school. There he became Professor of Botany and Latin, which position he held until 1905 when he became Professor of Botany and *Materia Medica*. In 1933, he was made Professor of Analytical Chemistry and Director of the Chemical Laboratories in which he had served previously as an associate for more than 30 years.

Dr. Judd taught Chemistry in the School of Medicine and Chemistry and Metallurgy at the School of Dentistry. When the course in pharmacy was lengthened to three years, he relinquished his position with the Dental School because the number of his classes increased in the College of Pharmacy and he could not do both.

He was Chairman of the Athletic Council of the University of Pittsburgh for eighteen years. He married Alma Inez Johnson, now deceased, in 1895. He married Ruth Stevens Gardner in 1922. They had one child, Betty Mae.

He retired June 1938 at which time he was honored with the title of Emeritus Professor of Chemistry. The family moved to Florida. He was interested in the University of Florida at Coral Gables. On February 11, 1947, he died.

ADOLPH KOENIG

Adolph Koenig was born in Wiggiswyl, Canton Bern, Switzerland in 1855.

He received his early education in Laurel Point School, Fawn Township, Allegheny County and Tarentum Academy and his medical education in the Bellevue Hospital Medical School, New York.

Dr. Koenig was the editor of the first medical journal and served on the medical examining board of Pennsylvania for eighteen years.

He became Professor of Materia Medica and Botany at The Pittsburgh College of Pharmacy in 1885, a position which he held until 1905 when he became the Professor of Physiology. He resigned from the faculty only because he had become Medical Examiner and felt that he could not do both. This resignation took place December 5, 1911.

The College honored Dr. Koenig by conferring on him the degree of Doctor of Pharmacy in 1897. Dr. Koenig devoted twenty-five years to teaching in the College of Pharmacy.

He was an inspiring teacher, an eminent botanist, and a good diagnostician.

HERMAN STANISLAUS KOSSLER

Herman S. Kossler, the son of William and Mary Agatha Beck Kossler was born in Pittsburgh, Pennsylvania on November 13, 1882. He attended St. Martin's elementary parochial school, Holy Ghost College, now Duquesne University, and entered The Pittsburgh College of Pharmacy in 1901. He attended the latter school only one year and then dropped out to acquire some practical experience in pharmacy. In 1902 he returned to school and was graduated in 1903 with a PH.G. degree.

For two years he was Assistant to the Professor in Chemistry (1904-06) while at the same time he completed the work for the PHAR.D. degree which he received in 1906.

Dr. Kossler's first experience was gained in the employ of the George A. Kelly Company, then located at Wood and First Avenue (1896). Mr. Kossler worked here approximately three years and then went to work for Dr. Louis Emanuel on April 1, 1899 where he remained about two and one-half years. He then worked for the Plough Pharmacy, Smithfield Street from that time until he went into business for himself in Crafton in 1903. He moved his store to Main Street, West End Pittsburgh four years later and retained ownership in it until 1938.

Business did not keep Dr. Kossler fully occupied so in 1906 he became an Instructor in Pharmaceutical Arithmetic, a position which he held until 1931.

Dr. Kossler was not only interested in the teaching at school but was also concerned with the administration. He was a member of The Pittsburgh College

of Pharmacy Corporation and its Board of Directors until the merger with the University of Pittsburgh in 1948.

In 1938 Dr. Kossler was elected Vice-President of the West End Bank and in January 1939 was made president, a position which he still holds.

Dr. Kossler married Estella Emma Epp and they have two children, Robert W. and Anna Mary (Mrs. Moeller).

DAVID EDWARD LEVIN

David E. Levin was born June 2, 1902 at Richmond, Virginia. He received his elementary training at the Jefferson Public School and later graduated from the John Marshall High School in Richmond, Virginia.

He matriculated at the Virginia Polytechnic Institute located at Blacksburg, Virginia in 1918. From 1919 to 1921 he continued his studies at the Carnegie Institute of Technology. In the fall of that year he transferred to the University of Pittsburgh from which he graduated in 1922 with the degree of B.S. in CHEM.

In 1922 he was appointed assistant in chemistry at the College of Pharmacy of the University of Pittsburgh and in 1923 was made Instructor.

In 1929 he was admitted to the Graduate School of the University of Pittsburgh and received the degree of PH.D. from that institution in 1932. In the same year he was made Assistant Professor of Analytical Chemistry which position he held until 1942 when he was granted a leave of absence of one year in order to increase the production of Foille, a product for the treatment of burns, for the Carbisulphoil Company in Dallas, Texas. This material was required for the Armed Forces and the Allies as well as industry. In 1943, Dr. Levin resigned from the faculty of the College of Pharmacy.

In 1946 he established the Allied Analytical and Research Laboratories in Dallas, Texas.

Dr. Levin married Eva M. Thal of Dayton, Ohio. They have one child, Lynda.

Dr. Levin was one of the founders of the Mu Chapter of the Alpha Zeta Omega Fraternity of the College of Pharmacy and he also served as the faculty advisor.

He is the author of several papers in the fields of manufacturing pharmacy and chemistry.

RICHARD HENRY MATTERN

Richard Henry Mattern was born in Pittsburgh in January, 1908. His preliminary education was in the public schools of Pittsburgh and he graduated from South High School in June 1924 with highest honors. He entered The Pittsburgh College of Pharmacy in September 1925 and was graduated with a PH.G.

degree in June 1928. In 1946 he received his B.S. degree from the same institution.

In June 1931 Mr. Mattern married Esther Fox and they have two sons, Richard, Jr. and Keith.

Mr. Mattern worked in retail pharmacy for many years but it was not until June 1945 that he was employed as a pharmacist at the Falk Clinic. In this capacity he also did a limited amount of teaching in manufacturing pharmacy to the senior students in The Pittsburgh College of Pharmacy. Mr. Mattern became Chief Pharmacist at Falk Clinic in 1946 and served in that capacity until 1955.

WILLIAM J. McADAMS

William J. McAdams was born January 15, 1871 in Pittsburgh, Pennsylvania. His secondary education was gained in the Pittsburgh public schools. In 1896 he graduated from The Pittsburgh College of Pharmacy with the degree of Graduate in Pharmacy. In 1901 he received the degree of M.D. from the Medical Department of Western University of Pennsylvania. Upon graduation from the College of Pharmacy (1896) Dr. McAdams became Assistant to the Professor in Pharmacy, the following year he became Professor of Microscopy. On May 23, 1905 he was elected Professor of Microscopy and Pharmacognosy. It was also in this year, 1905, that Dr. McAdams was granted the degree of PHAR.D. Dr. McAdams was an eminent microscopist and an inspiring and enthusiastic teacher. Dr. McAdams died in August, 1910.

FRANK STUART MCGINNIS

Frank Stuart McGinnis was the son of Garnet E. and Ida Stuart McGinnis of McKees Rocks, Pennsylvania. He was born July 21, 1905. He attended the Stowe Township elementary school and was graduated from McKees Rocks High School in 1923. He served his pharmacy apprenticeship in Millard's Pharmacy in McKees Rocks. Mr. McGinnis was graduated from The Pittsburgh College of Pharmacy in 1925 with the degree of PH.G. and in 1930 with a B.S. in Pharmacy. In 1938 he received his LITT.M. degree from the University of Pittsburgh and in 1944 the PH.D.

Dr. McGinnis married Enid Chillcott in June 1921. There are two children, Enid Frances and Rena Ann.

Immediately following his graduation Dr. McGinnis became an assistant in Pharmacy; in 1926 he became an Instructor in Pharmacy and in 1933 he was made Assistant Professor of Pharmacy. In 1945 he was made Professor of Pharmacy.

From 1932 until 1946 he was the Chief Pharmacist at Falk Clinic.

Dr. McGinnis was a member of both the local and national American Pharmaceutical Associations, the Pennsylvania Pharmaceutical Association, the

American Society of Hospital Pharmacists, Kappa Psi Pharmaceutical Fraternity, Phi Alpha Theta National honorary history fraternity, and the Corporation of The Pittsburgh College of Pharmacy of which he was secretary for many years.

He died September 30, 1947.

WILLIAM PETTIT

William Pettit was born in Pittsburgh, Pennsylvania on June 24, 1907. He was educated in the elementary and high schools of Pittsburgh. He holds both an A.B. and LL.B. degree from the University of Pittsburgh. He is an attorney. In 1936 he became a Lecturer in Pharmaceutical Jurisprudence at The Pittsburgh College of Pharmacy and he is still lecturing in this field at the School of Pharmacy. Mr. Pettit also lectured in Medical Law at the Medical School, University of Pittsburgh from 1938-1950. In 1949 Mr. Pettit published his own "Manual of Pharmaceutical Law." This text is used in many of the pharmacy schools in the United States. Except for a period from 1942-1945, when he was in the United States Army, Mr. Pettit has had continuous association with the School of Pharmacy. He belongs to Sigma Delta Chi and Omicron Delta Kappa and is a past president of the National College Press Association.

FREDERICK AUGUSTUS RHODES

Frederick A. Rhodes was born April 22, 1873 in Lawrence County, Pennsylvania. He attended New Castle High School, graduating in 1890 after which he attended Grove City College, Grove City, Pennsylvania. He next entered the School of Medicine of the Western University of Pennsylvania (now the University of Pittsburgh) graduating in 1900 with the degree of M.D.

Dr. Rhodes held the following positions on the faculty of the Medical School: Assistant to the Professor of Clinical Medicine 1902-03; Demonstrator in Physiology 1903-04; and Professor of Physiology from 1904 until 1909. For five years Dr. Rhodes had charge of the Reineman Maternity Hospital.

In 1912 Dr. Rhodes became Professor of Physiology at The Pittsburgh College of Pharmacy (The School of Pharmacy, University of Pittsburgh) which position he held at the college until 1923. During his connection with The Pittsburgh College of Pharmacy Dr. Rhodes and Dr. Julius A. Koch jointly conducted research on the pancreas at Woods Hole, Mass. in an effort to determine the cause of diabetes.

LOUIS SAALBACH

Louis Saalbach, son of August and Louise (Breuniger) Saalbach, was born in Pittsburgh on December 14, 1874. He was educated in the public schools of Pittsburgh and was graduated from The Pittsburgh College of Pharmacy in

1895 with the degree of PH.G. In 1908 he received the degree of Doctor of Pharmacy from the same institution. He began his apprenticeship in pharmacy under William G. Schirmer on April 16, 1888 in the pharmacy of Simon Johnston at Third Avenue and Smithfield Street. In 1891, he went with Mr. Schirmer to the McKennan Pharmacy. On October 1, 1903, he and his brother Carl, bought a drug store at Fifth Avenue and Pride Street. This store was sold in 1919. Dr. Saalbach was consulting pharmacist of the McKennan Pharmacy until the time of his death.

In 1896 Dr. Saalbach was engaged by his Alma Mater to serve as assistant to the professor in Chemistry which position he held until 1906 when he was elected Professor of Pharmacy and Director of the Pharmaceutical Laboratories. Upon the resignation of Dr. James H. Beal in 1911, he became Professor of Applied Pharmacy. He held this position until he retired in June 1940 and was made Emeritus Professor of Pharmacy July 2 of that year.

Dr. Saalbach joined the Pennsylvania Pharmaceutical Association in 1904 and was active many years serving as its president in 1912-13, secretary 1919-1926 and treasurer 1925-1926.

He also participated in the activities of the American Pharmaceutical Association.

He was treasurer of The Pittsburgh College of Pharmacy and Secretary of its Board of Directors.

In 1915, he married Beatrice Brooks Walton, daughter of Dr. and Mrs. Lucius L. Walton of Williamsport, Pennsylvania.

Dr. Saalbach was an expert pharmacist, revered by all who had the privilege to know him and study under him.

Dr. Saalbach died November 15, 1955.

S. HENRY STEVENS

Little is known of Dr. Stevens other than that he was a graduate in medicine from New York and that he had had pharmaceutical training in the Hegeman Pharmacy, New York City.

He was one of the founders of The Pittsburgh College of Pharmacy.

At an early meeting of the Board, Dr. Stevens brought up the question of whether ladies would be admitted as students. One of his colleagues made a motion at once to make females eligible as students.

When school opened he became the Professor of Theory and Practice of Pharmacy and retained this position until 1891.

Dr. George W. Kutscher who was a student of Dr. Stevens, tells us that Dr. Stevens was married and had one daughter whose name he does not remember.

Dr. Stevens was the father of the "Shadyside Gold Medal." It was an award the citizens of Shadyside furnished at an approximate cost of \$75.00. The medal was made up of three gold pieces which were to represent the United States Dispensatory, The United States Pharmacopoeia, and The National Formulary.

In addition to his interest in the school, Dr. Stevens practiced medicine and operated his own drug store in Shadyside on Copeland Street. Records indicate that he practiced here until 1897, but it was not until Saturday, October 28, 1899 that he passed away.

CLARENCE TAYLOR VAN METER

Clarence Taylor Van Meter was born in Avalon, Pennsylvania on September 1, 1905. His preliminary education was obtained in the public schools of East Liverpool, Ohio. In 1924 he entered The Pittsburgh College of Pharmacy and was graduated in 1926 with a PH.G. degree.

His early experience in pharmacy was obtained under S. W. Carnahan, Newell, W. Va.

On July 6, 1926 he was elected Instructor in Chemistry at The Pittsburgh College of Pharmacy. In 1932 he received his B.S. degree and was advanced to Assistant Professor of Chemistry. In 1941 he received the PH.D. from the University of Pittsburgh. In 1943 he became Assistant Professor of Chemistry and Physics which position he held when he resigned in 1944 to join Reed and Carnrick in the capacity of director of pharmaceutical research. He became director of chemical and pharmaceutical research the following year and in 1947 was made director of research and control. For the past few years he has been at the University of Pennsylvania.

Dr. Van Meter belongs to many scientific and professional societies among which are American Chemical Society, American Pharmaceutical Association, and Pennsylvania Association of Physics Teachers. He has contributed to the American Journal of Physics, Journal of American Chemical Society, American Journal of Pharmaceutical Education and others.

He was a member of The Pittsburgh College of Pharmacy Corporation from April 14, 1942 until it merged with the University in 1948.

On December 22, 1930 he married Mary Overholt and has two children, Claire U. and Lois Jean.

STEPHEN WILSON

Stephen Wilson was born in New Castle, England, August 4, 1904, the son of William O. and Ellen Lewins Wilson. His parents located in New Castle, Pa. with their family. Dr. Wilson attended the public school in New Castle and graduated from the high school in 1923.

Dr. Wilson served his apprenticeship with Harry J. Lusk, New Castle, until 1926 and subsequently was associated with William F. Heidenreich of Pittsburgh, Pa. and McKinley and Frantz of New Castle.

Dr. Wilson graduated from The Pittsburgh College of Pharmacy in 1925 with the degree of PH.G. and in 1927 the PH.C. degree and in 1930 the degree of B.S. in Pharmacy.

Dr. Wilson subsequently received the M.A. degree from the University of Pittsburgh in 1932 and the PH.D. in 1940.

In 1927 he was appointed instructor in economics at The Pittsburgh College of Pharmacy and subsequently became Assistant Professor of Pharmaceutical Economics in 1932, Assistant Professor of Pharmacy in 1937, Professor of Pharmacy and head of the Department in 1945, and Vice-Dean in 1949. He served in these capacities until September 1953 when he resigned to become Dean of the School of Pharmacy, Wayne University, Detroit, Mich.

Dr. Wilson published many articles and was the author of *Food and Drug Regulation*, American Council of Public Affairs, Washington, D. C., and *A Laboratory Manual for Operative Pharmacy*, The Crescent Press, Pittsburgh, Pa.

Dr. Wilson is active in the affairs of many pharmaceutical and other associations, among which are included the American Pharmaceutical Association, The Pennsylvania Pharmaceutical Association, the American Association of Colleges of Pharmacy in which he serves and has served on many committees. He is also a member of the American College of Apothecaries, Phi Delta Chi Fraternity, Rho Chi Society, and Omicron Delta Kappa Society.

On June 30, 1937 Dr. Wilson married Helengrace Leaf. They have one son, Stephen Leaf Wilson.

JOHN H. WURDACK

John Herman Wurdack was born September 10, 1888 in Pittsburgh, Pa. and received his elementary education there. From 1898 to 1900 he attended the Burgerschule of Gaarden, near Kiel, Germany. Upon the family's return to Pittsburgh he completed his high school education in Pittsburgh. Dr. Wurdack attended The Pittsburgh College of Pharmacy and received the degree of PH.G. in 1909 and the PHAR.D. in 1910. For one year after graduation Dr. Wurdack taught chemistry in the School of Medicine at the University of Pittsburgh. Then in 1911 he became the assistant in the Food and Drug Laboratory in The Pittsburgh College of Pharmacy.

In 1910 he became an Instructor in Chemistry, in 1921 Assistant Professor of Chemistry, in 1923 Associate Professor of Chemistry, in 1925 Professor of Chemistry, and in 1935 Professor of Chemistry and Physics.

Dr. Wurdack assisted in the revision of the U.S.P. IX and the N.F. IV and VI and for a period of years he abstracted for the yearbooks of the American Pharmaceutical Association.

Dr. Wurdack authored many publications and articles, ranging from books on Latin and Chemistry, through articles on window display, and plant coloring principles.

In 1919, he married Mary Elizabeth McMahon of Oil City, a 1914 Pharmacy School graduate. They became the parents of four children: John Julius, Mary Elizabeth (Mrs. Darr), Paul Joseph and Rose Therese.

Dr. Wurdack taught at the School of Pharmacy until his death, December 8, 1954.

He was a member of the American Pharmaceutical Association, Pennsylvania Pharmaceutical Association, American Chemical Society, and the American Association for the Advancement of Science. He also held membership in the Phi Delta Chi Fraternity, Rho Chi Society, the University of Pittsburgh Senate, and also the Twenty Year Club of the University of Pittsburgh.

He was always interested in Alumni activities and for many years served as treasurer of the Pharmacy Unit.

To show the high esteem in which he was held by the students, the class of 1953 presented to the school for its Hall of Fame an oil painting of their beloved teacher.

APPENDIX III



PHARMACY ORGANIZATIONS

ALUMNI ASSOCIATION OF THE COLLEGE OF PHARMACY

As early as 1883 the need for an Alumni Association became apparent and Messrs. Schirmer, Emanuel and Cherry were appointed by the Board of Trustees to assist the Graduates in organizing such a group.

Evidence of the organization's existence in the form of membership certificates is still available.

From time to time the organization flourished, held receptions for the graduating class and were of assistance in arranging commencement programs, although, other than a copy of a program, there is no continuous recorded history.

In 1897 a General Alumni Association of the Western University of Pennsylvania was formed. It was a federation of the existing associations of the different schools, with delegates elected by each department of the University. They were all represented.

The associations early in 1907, instead of serving as what might be termed an Executive Committee for Departmental Associations, adopted a Constitution which provided for direct membership of the graduates of each school and close contact with them. Dr. Alexander Silverman was secretary from 1907 to 1913.

Another change was made in 1908 when the organization provided for an Executive Committee of three in addition to the four administrative officers. Dr. Albert F. Judd, Pharmacy '95, was a member of this first Executive Committee.

It was not until 1910 that a new Constitution and By-Laws was adopted. This provided for an Alumni Council of fifty. Pharmacy was represented on the first council by—W. B. Bell, '06; Dr. Frederick J. Blumenschein, '02; Dr. Albert F. Judd, '95; Dr. Herman S. Kossler, '03; Daniel C. Yellig, '92; Charles E. Willetts, '04; with Dr. J. Bert Holsopple, '04, Dr. Louis Saalbach, '95, and John G. Struble, '04, as delegates at large.

During this year (1910) the first general directory of the graduates of all departments was published. Dr. Albert F. Judd, '95, served as a member of the special committee appointed for this purpose.

HISTORY OF THE STUDENT BRANCH OF THE AMERICAN PHARMACEUTICAL ASSOCIATION AT THE UNIVERSITY OF PITTSBURGH

The organization of Student Branches of The American Pharmaceutical Association was begun through the efforts of Dr. Charles W. Johnson, President of the A. Ph. A., in the years 1928 and 1929. It was in 1928 that Dr. Johnson, while addressing the delegates of the A. Ph. A. convention, stated that he had lost hope of ever materially adding to the membership of the A. Ph. A. by inducing more retail pharmacists then in practice to join. He further stated that it was his belief that the only way to ultimately build a large membership was to educate the students then in college into the belief that the association was necessary to their welfare. He appealed to the faculties of the Pharmacy Colleges to lead the students into a feeling of need for this professional contact, and he said that he was confident that if the college faculties would do their duties the greater number of all students in school would join at the regular five dollar fee.

President Johnson was succeeded by President Jones, but his suggestion had initiated some action, at least at the University of Pittsburgh College of Pharmacy, for, in the fall of 1928, Professor C. Leonard O'Connell, later Dean of the College, brought before the student body the idea that there be a branch of the American Pharmaceutical Association at the University of Pittsburgh. A vote was taken and the suggestion was carried through unanimously. At that time there were no provisions for such an organization of students. Therefore, the students were required to become full members of the A. Ph. A. and to pay full dues. Only two meetings were held that first year.

At the National Convention held at Rapid City, South Dakota, in the spring of 1929, the following report from the Journal of A. Ph. A, for 1928 described the formation of the student branch at Pitt. The report brought approval from the other delegates, but there was still no provision made for the formation of a *student* branch as such.

Professor C. Leonard O'Connell of the faculty of the College of Pharmacy of the University of Pittsburgh, was recognized on the floor. He reported the formation of a Student's branch in The Pittsburgh College of Pharmacy, responsive to the expressed desirability, by former President C. W. Johnson, of forming such branches in schools and colleges of Pharmacy. The branch included a membership of 337 students. Prof. O'Connell explained the purpose of the branch and assured the association of the interest and support of the

members of this branch and of the members of the faculty. The latter believed in using the agency of the schools for instilling the value of the association. He said there was no compulsion, nor was any money collected at the time of the formation of the branch. As a committee to assist the preliminaries three members of the student body and a like number of the faculty and a spokesman were selected to carry on the work. The student members came to the office to pay their dues. Professor O'Connell presented a check for them, amounting to \$1685.00, and then introduced a student member, Joseph J. Dulak. The latter said that the student branches of the A. Ph. A. represented a milestone, and he felt that these organizations would be productive of great good for the association and for the individual members. Prof. O'Connell exhibited a parchment with the signatures of the applicants, which was to be framed and placed in the student's room of the Headquarters Building; the former students visiting ten or fifteen years later, he said, would be proud of the step taken in 1929. President Jones thanked the presenters and congratulated them on their success.

On September 28, 1929, the following letter—now in the files at the College of Pharmacy of the University of Pittsburgh—was received from Dr. E. F. Kelly, then secretary of the American Pharmaceutical Association:

"I am pleased to officially advise that during its recent annual meeting the A. Ph. A. adopted the following resolution: No. 7 commending efforts of the College of Pharmacy of the University of Pittsburgh:

The committee commends the splendid results obtained at the College of Pharmacy of the University of Pittsburgh in securing members to the American Pharmaceutical Association from the student body. We consider this a wonderful achievement and as it indicates the great value of student interest, therefore,

BE IT RESOLVED, that the A. Ph. A. commends this activity to the Colleges of Pharmacy of this country to the end that the students may become affiliated with this association at the outset of their pharmaceutical career.

Assuring you of our appreciation of your cooperation, I am,"

Very Truly Yours,

/s/ E. F. Kelly,

Secretary.

1930 and 1931 saw the Pittsburgh Student Branch sending student delegates to the national A. Ph. A. conventions. Meetings at the school became fewer and fewer until the start of World War II, when the branch was practically dissolved. During this time the meetings were on a compulsory basis, irregular, and were not held to conduct student branch business, but to assemble students to meet visiting dignitaries.

It was not until 1945 that the branch was revived and reorganized, this

time through the efforts of Dr. Stephen Wilson. It was at a meeting called at the College of Pharmacy on September 17, 1945, that Dr. Wilson approached the student body and read a letter from Dr. Robert P. Fischelis, secretary of the A. Ph. A. The letter stated "that the A. Ph. A. had been informed that the student interest in a branch was being revived and plans for reorganization should be undertaken." Dr. Wilson then presented Professor Frank S. McGinnis, who addressed the student body, telling of the history and accomplishments of the A. Ph. A. and of the importance of the association to Pharmacy as a whole.

A reorganization committee began work on reviving Pitt's student branch. A constitutional committee drew up a new constitution, which was acceptable to the students and to the A. Ph. A.

The first election of officers of the reorganized branch was held on November 9, 1945. It was with this election that the branch again became the functioning organization that it had been sixteen years before.

The branch took the lead in the sponsoring of student affairs. No problem of student or pre-professional life was too large or too small for the branch to undertake. The branch took the lead in arranging a scheduled activities hour through the cooperation of the Administration of the College of Pharmacy. This hour was arranged for A. Ph. A. activities, class meetings, fraternity and sorority meetings, and meetings of the entire student body for formal school functions.

The branch was responsible for the formation of the PITT CAPSULE, which became the official organ of the student body and alumni of the University of Pittsburgh College of Pharmacy and ranks high among such publications.

The College of Pharmacy of the University of Pittsburgh, like many other pharmacy schools throughout the nation, was not unique in being physically separated from the University proper and in having to create its own student activities. The American Pharmaceutical Association Branch recognized the need for such activities and arranged affairs, not professional in nature, but affecting student life. These activities took the form of student parties, dances, picnics, and the establishment of what has become a tradition at the Pharmacy College's Recognition Day. This day has come to be the time when outstanding students at the College of Pharmacy are recognized for their contributions to the academic, professional, and social life of the school. The Branch also joins other student branches in sponsoring a mock A. Ph. A. Convention.

From the early days of the old Pittsburgh College of Pharmacy, and the early formation of the Pittsburgh Branch of the A. Ph. A., students have been welcome at local branch activities. With the reviving of the present branch, even more emphasis has been placed on effective relations between students of

pharmacy and practicing pharmacists. A blankèt invitation has always been extended from each activity to the other for attendance and participation. Both branches sponsor lecture series and professional seminars. Both branches call on members from each group to participate in each other's programs.

The spirit of professionalism is constantly growing at the University of Pittsburgh School of Pharmacy Student Branch of The A. Ph. A and is being continually fostered by a friendly spirit exhibited by student to pharmacist and pharmacist to student.

—*William L. Blockstein, 1953*

PHARMACY ORIENTATION

The course in Pharmacy Orientation is designed to introduce freshmen students in the School of Pharmacy to the various fields encompassed by the profession of pharmacy. Since many of the beginning students have had only limited experience in retail pharmacy, it was felt that they should know of the ramifications of their chosen profession into the wholesale, manufacturing, hospital, and research branches, as well as into the five major divisions of the pharmacy curriculum: pharmaceutical chemistry, pharmacology, pharmacognosy, pharmacy administration, and pharmacy proper.

To speak about these five major divisions, members of the teaching staff of the School are asked to present their particular subjects. In the past three years since the course became a part of the curriculum, Dr. F. J. Blumenschein and Mr. W. F. Heidenreich have spoken on Retail Pharmacy, Dr. George D. Beal has discussed Research in Pharmacy and Drug Standards, Mr. Richard Mattern has presented Hospital Pharmacy, Mr. Robert R. Gaw has emphasized Prescription Pharmacy, Mr. Edward C. Ifft has stressed the Regulations of the State Board of Pharmacy, Mr. Robert Wallace of the Eli Lilly and Company and Mr. Joseph Kiernan of Abbott Laboratories have considered Manufacturing Pharmacy.

To properly acclimate the students to the University, the Orientation course endeavored to teach them "How to Study" as presented by Vice-Dean Stephen Wilson and also to explain to them the "Quality Point System" as stressed by Dean Edward C. Reif. Finally, the course allots a limited number of periods for class meetings and election of officers and also for visits by upper classmen who represent the Student Branch of the A. Ph. A., and fraternities.

—*Edward P. Claus, 1953*

STUDENT ACTIVITIES

SPORTS: Since the School of Pharmacy has become an integral part of the University, participation in intra-mural athletics has developed into a reality.

The teams have achieved a high degree of success in their respective fields of sport. One of the basketball teams in the professional league is composed entirely of members from the class of 1953 and is known as the Pharmacy Mixers. These young men chose this name in their sophomore year during which they competed in the semi-finals. In 1952 the team was presented with uniforms, in the traditional Pitt colors of blue and gold, by the Student Branch of the A. Ph. A. The Pharmacy Mixers entered into the elimination playoffs at the end of the season and were defeated by one point in their final game. During the present season the team once again is engaged in intra-mural competition in the Professional League where they meet teams of the Schools of Medicine and Dentistry, and also other teams from the School of Pharmacy. The latter teams are composed of freshmen and sophomore students.

Touch (tag) football, baseball, bowling, and other sports have received support from the pharmacy students.

Intra-mural athletics serve a definite purpose in the physical development of the male pharmacy students. Competition in a professional league enables the team members to meet fellow students in the other professional schools on the campus.

Prior to 1948 the School of Pharmacy was recognized for some individual outstanding athletes: Ross Ferraro, '29, in varsity basketball; Robert R. Gaw, '14, in varsity baseball; and Robert Walkingshaw, '43, in varsity golf. However, the more recent vigorous schedule has been discouraging to those interested in varsity football and basketball.

MUSIC: A number of students who are musically inclined have become members of the celebrated Pitt Varsity Marching Band and also of the Concert Band. Various individuals have at times been associated with the Pitt Glee Club, Mixed Chorus, and the Pitt Players.

PUBLICATIONS: Early in 1947 a group of students of the College of Pharmacy pioneered in establishing a student news publication which was called the Pitt Capsule. From a mimeographed series of papers, the Pitt Capsule has gradually advanced through a stage of printed pages only to its present form encompassing pictures and cartoons in addition to the printed work. The first editor was David Westover who established certain editorial principles which have been followed by his successors. In the *American Journal of Pharmaceutical Education* for January, 1948, Editor R. A. Lyman complimented the Pitt Capsule on its form and content. In recent months there have appeared a series of articles featuring the members of the Pennsylvania State Board of Pharmacy and also another series depicting outstanding individuals who represent the various fields of pharmacy.

—Edward P. Claus, 1953

ALPHA ZETA OMEGA
PHARMACEUTICAL FRATERNITY

The Alpha Zeta Omega Pharmaceutical Fraternity was founded in Philadelphia in 1921, at the Philadelphia College of Pharmacy and Science. In 1923 a chapter was formed at the University of Pittsburgh College of Pharmacy with Dr. David Levin as first Faculty Advisor.

The ideals of A.Z.O., which are friendship and brotherly love, took hold and the first group consisting of forty-six (46) men became the Mu chapter. They took a pledge to support the highest ideals of pharmacy and their school, and to aid each other.

The first Directorum was Sidney Klein. Among some of the others in this first group of 46 men were Harry Ostrow, George Stone, I. Earl Reich, Bernard Cohen, Leo Schor, Morris Secher, Nathan Darling, and Sam Mervis. Other men joined the fraternity and by 1950 there were 165 members. Many have left Pittsburgh and are practicing pharmacy from Florida to New York and in the west to California. Some have gone into Dentistry, Medicine, and Chemistry. A few have gone into entirely different businesses.

The first member to pass away was Bernard Cohen. A Student Loan Fund was started in 1932 in his memory.

The Fraternity is quite proud of its members. Thanks to the careful screening by the Dean of the School and its membership committee, most of the applicants are good students and make fine pharmacists.

Elder Stein and Harry Ostrow have been President of the Alumni Association of the School of Pharmacy. William Whitman is President of the Pennsylvania Pharmaceutical Association. Elder Stein and Harry Ostrow are past Supreme Directorums of the fraternity. Other men from Pittsburgh who have held National office are: Sam Berger, Jack Reich, William Blockstein, James Darling, Oscar Roth, and Norman Ilkuvitz.

National Conventions have been held in Pittsburgh in 1932, 1942, and 1953.

An Alumni chapter was formed first in 1932 and reorganized in 1951.

Most of the members of A.Z.O. are active members in the Pharmacy unit of the General Alumni Association and help to aid their school. In the last drive for funds for the new Health Profession's building, many of the hard workers were A.Z.O. men.

The Mu chapter gives an annual Sophomore award which consists of the latest edition of the United States Dispensatory.

The Women's Auxiliary of A.Z.O. gives a \$25.00 yearly award to a deserving sophomore.

Dr. Joseph Bianculli is the present Faculty advisor to the Mu chapter.

Honorary members are the late Dr. C. Leonard O'Connell, Dr. Edward C. Reif, Dr. Stephen Wilson, Dr. Joseph Bianculli, and Dr. David Levin.

—*William Blockstein, 1953*

WOMEN'S AUXILIARY ALPHA ZETA OMEGA PITTSBURGH CHAPTER

The early history of the Alpha Zeta Omega Auxiliary of Pittsburgh has been outstanding, not so much for its epochal events, but rather for its harmonious spirit, and for the formation of a permanent and promising foundation.

Originally organized as a social gathering for the sole purpose of fostering congeniality among the wives of A.Z.O. men, the first meeting was called in February 1939, with one temporary officer serving as Secretary-Treasurer, and each succeeding hostess acting as temporary chairman of the meeting.

Following the Fraternity's 1939 convention in New York, the Women's group was reorganized on a permanent basis, under its present name, with the sanction of the men's chapter.

With a feasible constitution drafted, rapid strides in advancement were made. Such innovations as joint meetings of the Auxiliary and the Men's Long Range Committee were held to discuss fraternal problems. The appointment of a women's telephone committee, for their assistance in meetings and social functions, showed results by a large increase in both the Fraternity and Auxiliary membership.

In the eighteen years of its existence, the Women's Auxiliary has matured into a strong and emanating organization, both locally and nationally. One of its most gratifying projects, at present, is the Cultural Fund, from which a yearly award is given to a deserving sophomore at the University of Pittsburgh School of Pharmacy. Token contributions are given to various charities, gifts are sent to A.Z.O. boys in service, and a contribution was recently made to the School of the Health Professions Building Fund.

All of this, and more, has been accomplished without losing sight of the original purpose of the Auxiliary's innovation; that of promoting friendliness among the wives and men, and a continued active interest and enthusiasm in the ideals and purposes of A.Z.O., the most needed qualities of the Pharmaceutical Profession.

—*Mrs. George Stone, 1953*

THE GALEN PHARMACEUTICAL SOCIETY OF PITTSBURGH

The Galen Pharmaceutical Society was organized through the efforts of Samuel Silverman, Charles Weinberger, and Lew Davis. These men had met members of the Parent Organization of Galen at a Pennsylvania State Pharmaceutical

Association meeting and were stimulated with the idea of a Society in Pittsburgh. On November 10, 1937, Mr. Silverman called a preliminary meeting. The following individuals are charter members: Harry Berger, David Busis, Samuel Caplan, Sam Chaban, Al Cohen, Jacob Cohen, Lew Davis, Nathan Florman, Meyer Foster, Ned Friedman, Hyland Gefsky, A. H. Glinn, I. Goldstein, Ben Goodstein, Lew Gordon, Isadore Gorenstein, Bennie Harris, Samuel Hepps, Fred Hurwitz, D. Lebovitz, Dave Lawrence, Sam Lebovitz, Abe Litman, Fred Schiller, Frank Silverberg, Hyman Silverman, Samuel Silverman, Charles Weinberger, Abe Whitman, and William Whitman.

The Pittsburgh Chapter of the Galen Pharmaceutical Society was formally organized and the following officers were elected, November 17, 1937: Fred Schiller, President; Samuel Silverman, First Vice-President; David Busis, Second Vice-President; Charles Weinberger, Treasurer; Lew Davis, Secretary.

The aims and purposes of Galen are to uphold the ideals and ethics of our profession; to create good will among all pharmacists; to assist the indigent; to cooperate with local, state, and national Pharmaceutical organizations; to promote the advancement of cultural and scientific achievements; and to exemplify to others the ethical standards of the pharmacist in his business and professional activities.

The Pittsburgh Chapter was installed by a group from Philadelphia on February 28, 1938. The society's publication, *The Galenite*, came into being on the occasion of their first dinner-dance which was held December 11, 1938.

—David Busis, 1953

HISTORY OF WOMEN OF GALEN

November 14, 1938, through the courtesy of the Galen Pharmaceutical Society, wives of members were invited to a luncheon at the Villa D'Este. Fifty-six attended. After lunch, the first official meeting of the Women of Galen elected officers and set into motion the auxiliary of the Galen Society under the capable leadership of its first President, Mrs. Hyman Silverman.

The purpose of the Women of Galen is to promote social, cultural, and philanthropic ideals. They have given generous contributions annually to the United War Fund, Heart House, Old Newsboys' Fund, March of Dimes, Infantile Paralysis Fund, Red Cross, Jewish Home for Babies, Salvation Army, Care, United Jewish Fund, and several other charities.

December 7, 1941 the global war engulfed us. Women of Galen became part of the great home front, assuming new duties to facilitate the war effort. They made garments for children in war-torn countries and knitted for boys in the service. Many took first aid courses, some participated in the sale of war bonds and war stamps, others helped the Galen Society with their year book,

The Galenite, by arranging a children's page, for which a substantial amount was collected. Boxes of goodies were sent to sons and husbands in the service.

During the postwar period greater emphasis was placed on education and social meetings. Educational meetings throughout the years were informative and stimulating. Such outstanding specialists as Dr. Yale Kosoff, neurologist, spoke on "Chemistry of Personality"; Dr. Morgan, Fellow at Mellon Institute, presented a survey on consumer education; Miss Ruth Roth, Staff Nutritionist, of the Pennsylvania Health Department, discussed the importance of good nutrition in family diet. Many excellent reviews on current books were greatly enjoyed.

On May 25, 1939 an oil painting of Dean Emeritus, Julius A. Koch, was presented to the College. Dr. C. Leonard O'Connell acted as toastmaster, and there were quite a few notables present at the dinner, among whom were Mayor Cornelius D. Scully, Dr. Carl A. Voss, Pastor of the Evangelical Protestant Church, Dr. Solomon B. Freehof, Rabbi Rodef Shalom Temple, Father Paul Rock, Catholic Chaplain of the University of Pittsburgh, Dr. John G. Bowman, Chancellor of the University, and David I. Eisman of Philadelphia and founder of Galen.

The present officers of Galen (1952-1953) are: Samuel I. Caplan, President; Jacob Bernstein, First Vice-President; Bernard J. Schiller, Second Vice-President; Maurice H. Finkelppearl, Secretary; Milton Landy, Corresponding Secretary; Sidney Stern, Treasurer, and Ben Goodstein, Chairman of the Board of Directors.

On January 14, 1947, this group presented to the Pittsburgh College of Pharmacy the Perry Frank Bowser Memorial Plaque. Galen also makes an annual award of \$50.00 to a deserving student of the sophomore class.

It is also the practice of this group to select each year the outstanding member of Galen for his achievements in Pharmacy, in Civic Groups, and for his accomplishments either culturally or philanthropically. This man is to be known as the "Galen Man of the Year." In 1951 the first man named was David Busis; in 1952, Hyland L. Gefsky was named; and Fred Schiller was the 1953 Galen Man of the Year.

The visit through Mellon Institute was most enlightening and interesting.

Social functions such as dances, card parties, luncheons, box socials, corn roasts, Halloween parties and New Year Affairs helped members to become better acquainted. The annual children's party and picnic brought joy to the youngsters as well as to their parents.

New activities indicate progress. Never before in our history has the enthusiasm of our entire membership manifested itself more wholeheartedly than in our newly-created scholarship fund. Mrs. Samuel Silverman, our

President, has continued the scholarship fund which was started last year. An equal amount was designated for the Pharmacy School at the University of Pittsburgh, to be distributed to needy students in the junior or senior year, at the discretion of Dean Edward C. Reif and his staff, and likewise at the Pharmacy School at Duquesne University, the fund is to be utilized at the discretion of Dean Hugh Muldoon and his staff. The letters of thanks from the recipients of the fund made us fully realize the importance of this service to the community. Our projects are now more meaningful because we know that the proceeds are so efficiently utilized.

We hope that the record of the Women of Galen for the past fourteen years may serve as a fitting prologue for many worthy accomplishments in the future.

We are grateful for this opportunity to extend greetings and felicitations to Dean Edward C. Reif and his staff, on this, the Seventy-Fifth Anniversary of the Pharmacy School of the University of Pittsburgh. We have observed with satisfaction how you expanded the curriculum to meet present day needs. Best wishes for good health, and many years of continued progress for the Pharmacy School of the University of Pittsburgh.

—Mrs. Abe Litman, 1953

KAPPA PSI

On March 26, 1913, a charter was granted for the establishment of Beta Kappa Chapter of Kappa Psi Pharmaceutical Fraternity at the College of Pharmacy. This chapter, one of forty-five active collegiate chapters, was an outgrowth of a purely local organization known as Beta Phi Sigma which had existed at the College of Pharmacy for some fifteen years. The members of Beta Phi Sigma who desired to affiliate with Kappa Psi were made charter members of Beta Kappa Chapter. Among the forty-seven names appearing on the charter are those of Frederick J. Blumenschein, Robert R. Gaw, George O. Yohe, George L. McMillin, and other persons who have achieved prominence in pharmaceutical circles.

Since 1913 Beta Kappa chapter has progressed through the years, attaining a membership total of over 60 in 1929. At present 30 members compose the chapter roster. The fraternity house which served as headquarters during the late '20's and early '30's could not be supported financially due to the decrease in membership in the '30's. Since then the business meetings have been conducted in the school building, the initiations at various rented lodges, and the social functions at hotels and country clubs.

The Alvin J. Vavro Memorial Award was established in 1949 in memory of the late Alvin J. Vavro, who graduated in 1948. This cash award is pre-

sented each year to the sophomore student (member or non-member) who exhibits leadership and a devotion to the ideals of pharmacy.

Kappa Psi has endeavored to achieve success in the social life as well as the professional life of its members. Each year a formal dinner dance honors the graduating members. To complete its activities in a philanthropic vein, just prior to the 1952 holiday season, the chapter initiated a drive to collect canned goods for a charitable cause. Cans of foodstuffs were given to the Hope Mission on the Northside of Pittsburgh.

Further plans are being activated for a scholarship award and for furthering professional relations with other pharmaceutical as well as dental and medical fraternities through the Professional School Inter-Fraternity Council.

—*Edward P. Claus, 1953*

THE PITTSBURGH GRADUATE CHAPTER OF KAPPA PSI

The Pittsburgh Graduate Chapter of Kappa Psi Pharmaceutical Fraternity was organized on June 19, 1935 at the Hotel Schenley in Pittsburgh, Pa. Thirteen charter members were present: Edward P. Claus, Leasure K. Darbaker, William J. Hill, H. Ellsworth Krumpe, Russell D. Miller, Ernest A. Reeves, Chauncey E. Rickard, Charles H. Schaefer, William F. Siegel, Frank J. Steele, Robert W. Taylor, John M. Wyble, and George F. Young.

The chief aims of the chapter were to unite alumni of the School of Pharmacy who had been members of the undergraduate Beta Kappa Chapter of the fraternity, to offer the opportunity of fraternalism to those who had not been members of the undergraduate chapter during their school years, and to further the spirit of fraternalism and professionalism among its members. The following officers were elected for a two-year period:

<i>Regent</i>	Chauncey E. Rickard
<i>Vice-Regent</i>	William J. Hill
<i>Secretary</i>	Ernest A. Reeves
<i>Treasurer</i>	H. Ellsworth Krumpe
<i>Chaplain</i>	John M. Wyble
<i>Historian</i>	Frank J. Steele
<i>Chairman, By-Laws Committee</i>	Charles H. Schaefer

Since 1935 the chapter membership has grown to its present large membership. Cordial relationship has been established with the Beta Kappa Chapter and in recent years the two chapters have held their annual spring formal dance jointly. In addition to the regular monthly business and program meetings, an annual Stag Picnic is held in June to which graduating members of Beta Kappa Chapter are invited as guests.

Chauncey E. Rickard, 1953

DELTA CHAPTER LAMBDA KAPPA SIGMA

The girls in The Pittsburgh College of Pharmacy, now University of Pittsburgh School of Pharmacy, are fortunate for they have a professional sorority to which they may belong or they may elect to join one of the social sororities on the University campus.

The Delta chapter (undergraduate) of Lambda Kappa Sigma was founded when fifteen students pledged themselves to be faithful members. Dean Koch acted as chairman for this meeting which was held April 18, 1918 at the College. The following individuals constituted the charter members:

Esther R. Parsons	Stella C. Bejenkowski
Pauline Polinchuk	Courtney White
Edna M. Jacobson	Ethel M. Swan
Alice K. Heimlich	Margaret J. Fogerty
Goldie E. Snyder	Elizabeth W. Hurst

Annabell Gardill

Grace Porch, *President*; Belle Perkins Smith, *Vice-President*; Virginia Frank, *Secretary*; Thelma Webber, *Treasurer*.

The objects of the Sorority are to promote the happiness and usefulness of its members and to create a center of enjoyment, friendship, and culture.

Members are now selected on a basis of character, scholarship, and personality.

—Margaret F. Sherwood, 1953

GRADUATE CHAPTER OF LAMBDA KAPPA SIGMA

It was not until 1949 that Delta Graduate Chapter was organized. Mrs. Louise Stein called a preliminary meeting on July 12, 1949 to ascertain what interest there would be in a graduate chapter. Twenty-three girls indicated their desire to become members of such a group at a meeting held at the Cathedral of Learning on September 14, 1949. At this same meeting tentative By-Laws and a Constitution were drawn up. Officers were elected as follows: Louise Stein, President; Frances Hull, Vice-President; Willa Beedle, Secretary; Dorothy DeFoggi, Treasurer; and Dorothy Monyak, Social Chairman. Application for a charter was made immediately and on October 23, 1949, Joan Shankel, President of the active chapter, installed the chapter at a formal ceremony. The charter members are as follows:

Louise Stein, Frances Hull, Willa Beedle, Dorothy Monyak, Dorothy DeFoggi, Mary Agnello, Bertha Vignovich, Josephine Certo, Natalie Certo, Autumn Colby, Eileen Estep, Clara Mehr Gelfand, Sally Kroffe, Agnes Wajert, Theresa Wajert, and Eleanor Nygre.

For four years this group held an annual Christmas Party, entertained the active chapter each year, attended as many of the regional meetings as possible,

and in 1952, five girls from this group went to the convention in Hollywood where they received honorary mention for their efficiency in sending in reports and monies due Grand Council. Delta Graduate Chapter meets monthly.

—Sally Kroffe, 1953

PHI DELTA CHI HISTORICAL NOTES CONCERNING MU CHAPTER

Mu Chapter was founded at Scio College, Scio, Ohio, February 26, 1907.

In November, 1906, an organization of Pharmacy students known as the "Pharmacy Club" of the Scio College of Pharmacy, met in the Hotel Marshall at Scio, Ohio, under the direction of James S. Gleghorn, and petitioned for a chapter of Phi Chi Fraternity. The petition was granted, and on February 26, 1907, it was installed by W. E. Claypool and Arthur S. Metzger, of Beta Chapter. The last meeting of the chapter was held at Scio on the 19th of March, 1908, after which the chapter was transferred to Pittsburgh, Pa., the first meeting being held there September 23, 1908. This became necessary, as the Pharmacy College of Scio at that time merged with Western University of Pennsylvania College of Pharmacy.

Charter Members:

Prof. H. D. Starkey, James H. Gleghorn, W. B. Altland, B. H. Martin, C. E. McCormick, T. R. Ashbaugh, R. C. Burris, J. A. Farrel, Leon Tuholske, P. I. McCowan, R. S. Smith, G. C. Hall, F. E. Hanlin, A. W. Tetrick, F. J. Murphy, J. S. Rutledge, O. R. Moore, I. P. Smith, J. C. Ringer, A. E. Day, W. B. Frum, E. A. Schnell, C. E. Richards, J. H. Lease, I. I. Johnson, R. A. Belt, T. L. Morgan, W. E. Luthy, and J. R. Clark.

Honorary List:

James H. Beal, sc.D., W. S. Bryson, M.D., S. B. McCormick, Harry B. Marsh, George D. Beal, C. P. Godfrey (charter of Alpha), Azor Thurston (charter of Alpha), W. E. Claypool (Beta), Arthur S. Metzger (Beta).

Mu Chapter was reactivated on February 19, 1952. The ceremonies were held at Webster Hall Hotel. The undergraduate students who reactivated Mu Chapter were Robert L. Kinnon, Frederick H. Woods, Jr., Gordon W. Knight, Harold Weber, Fred T. Galysh, Philip Hurray, Harold L. George, Raymond E. Dessy, Alfonso Marcotuli, Clair LaVern McCord, Edward J. Freeauf, Jr., William R. Heskett, and John Daniel Huber. Elmer Grimm, Jr., was a graduate member in the reactivation group.

The officers of the chapter after reactivation were:

President, Robert Kinnon; Vice-President, Philip Hurray; Secretary, Gordon W. Knight; Treasurer, Raymond Dessy; Master-at-Arms, Fred Woods; Inner Guard, Alfonso Marcotuli, and Prelate, Harold George.

RHO CHI SOCIETY
INSTALLATION OF ALPHA OMICRON CHAPTER
OF RHO CHI

(A national honorary pharmaceutical society)

The Alpha Omicron Chapter of Rho Chi Honorary Pharmaceutical Society was installed at the University of Pittsburgh School of Pharmacy on Tuesday, November 21, 1950, following a candle light dinner held at the Faculty Club of the University on the seventeenth floor of the Cathedral of Learning in the Civic Center of Pittsburgh. Dr. George D. Beal, Assistant Director of the Mellon Institute of Industrial Research, who was the installing officer, was assisted by Dr. Edward P. Claus, Professor of Pharmacognosy at the University of Pittsburgh. Dr. Beal and Dr. Claus are members of Phi Chapter of Rho Chi at the University of Illinois College of Pharmacy, Dr. Beal being an honorary member of that chapter.

Thirty-four active and alumni members representing faculty members, graduate assistants, graduates of the class of 1950, and undergraduates of the class of 1951 were initiated. Although 42 persons had signed the petition which requested granting of the charter, illness and inclement weather prohibited the remaining 8 members from attending. These persons will be given their keys and certificates at the next regular initiation ceremony.

The thirty-four new members of Rho Chi are:

Faculty and Graduate Assistants

Edward C. Reif
Stephen Wilson
John H. Wurdack
Joseph A. Bianculli
Robert W. Sager
Jeanne S. Cappelli
August G. Danti
Richard M. Doughty
Rose Goldfield
Betty Levy
Dorothy Monyak
James G. Newcomb
Sylvan M. Sax
Paul J. Wurdack

Alumni and Students

Peter J. Bercia
William L. Blockstein

William E. Brackman
Frederick V. Crall
Bernard Danenberg
Allen I. Dines
Irving Friedman
William H. Gerdes, Jr.
Stanton L. Jonas
Albert W. Kossler
Stephen A. Kulik
Lois J. LeGoullon
Eugene W. Leseman, Jr.
Mary Lou S. O'Connell
Eli N. Rebich
Allan J. Rudner
Ronald Sakol
Shirley D. Sussman
Edward Tillman
Samuel Wallwork, Jr.

Dr. Beal, in addition to officially installing the chapter, was the principal

speaker. His subject, The Significance of Honor Societies, compared the qualities of scholarship and fellowship of members of Rho Chi with the qualities of drugs of the United States Pharmacopoeia and indicated that only the best representatives were selected in each case. Following the presentation of keys and certificates by Dr. Claus, these persons spoke briefly in response: Dean Edward C. Reif on behalf of the faculty; Allan J. Rudner on behalf of the students; William L. Blockstein on behalf of the alumni. Dr. Claus then read a letter from Dr. R. H. Fitzgerald, Chancellor of the University, expressing his regret at being unable to attend. However, Lester Brailey, Assistant to the Dean of Men, speaking for the University, stated that Alpha Omicron Chapter of Rho Chi was a welcome addition to the campus since it is the thirteenth representative of the American College Honor Societies. All of the guests of pharmaceutical organizations who were invited were in attendance and were introduced. They were:

- Dean Hugh C. Muldoon, *Duquesne University School of Pharmacy*
 Robert R. Gaw, *Member of the Board of Trustees of the University of Pittsburgh and an alumnus of the School of Pharmacy*
 John H. Phillips, *President of the University Unit of the General Alumni Association of the University of Pittsburgh*
 Chauncey E. Rickard, *Secretary of the Pennsylvania Pharmaceutical Association*
 Edward C. Ifft, *Member of the Pennsylvania State Board of Pharmacy*
 George Hagerty, *President of the Allegheny Retail Drug Association.*
 Abraham Litman, *President of the Pittsburgh Branch of the American Pharmaceutical Association*
 Walter Montague, *President of the Rho Chi Chapter at the Duquesne University School of Pharmacy*

Miss Shirley D. Sussman, acting secretary, then read congratulatory telegrams and letters from a number of Rho Chi Chapters throughout the country.

After the initiation ceremony a business meeting was held at which officers were elected. Dr. John H. Wurdack, a member of the faculty, was chosen unanimously as President; Allan J. Rudner, Vice-President; Miss Shirley D. Sussman, Secretary-Treasurer; and Miss Lois J. LeGoullon, Historian. Following a discussion of the Constitution and By-Laws it was decided that the President would appoint a committee to draw up the chapter By-Laws and to present their recommendations at the next business meeting scheduled for early in 1951. It was decided also to have the present officers serve until the spring of 1951 following the next initiation dinner.

Alpha Omicron is happy to become the newest chapter of Rho Chi, and its members hope that by following the standards of scholarship and leadership

established by their predecessors they will be able to contribute to the further growth of the society.

At the National Rho Chi convention in 1951 at Buffalo, N. Y., Dr. Julius A. Koch, who had been proposed by Alpha Omicron Chapter, was elected a national honorary member. Robert R. Gaw became an alumni member at the chapter initiation in 1951.

During the 1952-1953 season, Rho Chi has instituted several activities designed for the entire student body of the School of Pharmacy; a series of motion picture films on various educational subjects and a series of dinner lecture meetings.

—*Edward P. Claus, 1953*

APPENDIX IV



SCHOLARSHIPS, AWARDS, AND LOAN FUNDS

SCHOLARSHIPS

James H. Beal Memorial Scholarship

This scholarship, set up in honor of the outstanding authority of his time on pharmaceutical jurisprudence, is awarded annually to the graduating student who attained the highest general average. In so honoring Dr. Beal there is a keen recognition of one of American pharmacy's most commanding figures. As a pharmacist, educator, lawyer, editor, president of various organizations, and first recipient of the highest award pharmacy can bestow—the Remington Medal—James H. Beal was influential in the progress of pharmacy throughout his lifetime.

Borden Scholarship Award in Pharmacy

All senior students in the School of Pharmacy are eligible for the Borden Scholarship Award of \$300. The award will be presented to that eligible student who has achieved the highest average grade of all other similarly eligible students in all college work preceding their senior year. The award is presented at the beginning of each fall semester.

Darbaker Scholarships

These scholarships, intended for tuition, fees, books, and other necessary expenses to a total of \$550 per school year, were established under the will of the late Leasure Kline Darbaker, Pharmacy '06, formerly professor of pharmacognosy and bacteriology in the School of Pharmacy. They are administered by the Darbaker Scholarship Committee and are available to full-time students in the School of Pharmacy.

Applicants should be young men or women who give promise of becoming leaders in one or more areas of the field of pharmacy, and who without financial assistance would be obliged to curtail their progress toward graduation or appreciably lower the academic level to which they can aspire. No limitation will be made relating to creed, race, or color. Recipients of the scholarship will remain eligible and may apply for reappointment. Eligible students should apply in

writing to The Darbaker Scholarship Committee, University of Pittsburgh School of Pharmacy, Pittsburgh 13, Pennsylvania.

Eckerd Drug Stores Scholarship

The Eckerd Drug Stores has established a yearly scholarship award for a deserving male student from the Erie, Pennsylvania, high school district who has qualified scholastically and by examination. The scholarship will consist of \$500 yearly to the awardee or \$2,000 for the four-year course. The awardee must at all times remain in good scholastic standing. The money shall be applied to tuition, fees, and laboratory expenses. The final selection of the awardee shall be made by the Dean of the School of Pharmacy.

George A. Kelly (Sr.) Scholarship Fund

The George A. Kelly Company of Pittsburgh, Pennsylvania, has contributed funds to be used for graduate scholarships. These scholarships will be available to qualified students who desire to do their graduate work in the field of pharmacy leading to the master's degree and who contemplate making the teaching of pharmacy their future profession. For further information apply to the Dean of the School of Pharmacy.

Barney B. Perifano Memorial Scholarship

This scholarship, in the amount of \$100, is to be awarded each year to a student in the School of Pharmacy selected by the Dean and a committee of the faculty. Financial need on the part of the applicant will be a consideration and the money will be applied as a payment toward tuition. Applications shall be addressed to the Dean of the University of Pittsburgh School of Pharmacy.

Pharmacy Foundation Scholarships

The American Foundation of Pharmaceutical Education Scholarships are available to junior and senior students in need of financial assistance. The scholarships are available to those students who have established evidence of competency and ability to maintain an average of B as a minimum. The scholarships are administered by the Dean.

Theodore W. Primas Scholarship

A yearly scholarship in the amount of \$50 was established by Theodore W. Primas, Pharmacy '48. This scholarship is to be given to a deserving student of the School of Pharmacy, selected by a committee of the faculty.

Cecil R. Bloom Scholarship

Cecil R. Bloom, Pharmacy '10, has established a yearly scholarship to be awarded to a student in the School of Pharmacy selected by the Dean of the

School of Pharmacy and a committee of the faculty. Financial need on the part of an applicant will be a consideration and the money will be applied as a payment toward tuition. Applications should be addressed to the Dean of the University of Pittsburgh School of Pharmacy.

Women's Auxiliary of Alpha Zeta Omega Fraternity Scholarship Award

A yearly scholarship in the amount of \$25 has been established by the Women's Auxiliary of Alpha Zeta Omega fraternity. This scholarship is to be granted to a deserving sophomore of the School of Pharmacy selected by the Dean and a committee of the faculty. The money shall be applied toward tuition.

The Women of Galen Award

A yearly scholarship fund in the amount of \$150 has been established by The Women of Galen. This scholarship is awarded each year to a deserving student or students of the junior and/or senior classes. The recipient or recipients will be selected by a committee consisting of the Dean of the School of Pharmacy and a representative of The Women of Galen.

Oliver F. Wolf Memorial Scholarships

The McKennan Pharmacy of Pittsburgh, Pennsylvania, in memory of Oliver F. Wolf, has established two scholarships annually in the amount of \$125 each.

The scholarships are to be awarded to two deserving students, members of the junior and/or senior classes as a payment toward tuition. The selections are made by a committee consisting of the Dean and two members of the faculty of the School of Pharmacy. For further information apply to the Dean.

LOAN FUNDS

Bernard L. Cohen Memorial Fund

The Mu chapter of the Alpha Zeta Omega fraternity has established a fund in memory of Bernard L. Cohen, Pharmacy '29. This fund (a student loan fund) is designed to assist worthy students. The fund is administered by a committee consisting of Harry Ostrow, Elder Stein, and Dean Edward C. Reif. For further particulars, address the Dean.

Fred Schiller Student Loan Fund

Fred Schiller, Pharmacy '02, has established this fund in memory of Emanuel Spector. This fund is designed to assist deserving junior and senior students of the School of Pharmacy and is administered by a committee of the faculty appointed by the Dean of the School.

James Clothier Sims Memorial Student Loan Fund

A group of personal friends established a loan fund in memory of James Clothier Sims, PHAR.D., '09. It is designed to assist deserving students in the School of Pharmacy and is in the nature of a revolving fund. The amount of each loan is determined by the needs of the applicant. The Dean and a committee of the faculty of the School of Pharmacy administer this fund and applications should be addressed to the Dean.

AWARDS

Lehn and Fink Gold Medal

Lehn and Fink, Inc., New York City, furnishes a gold medal to be awarded to the graduating student, who, in the judgment of the faculty of the School of Pharmacy, either has attained the highest standing in examinations in pharmacy or has done some special work in pharmacy deserving of recognition. The purpose of this award is to stimulate interest in pharmaceutical research.

A. R. Canter Award

A prize of \$25 is awarded annually by A. R. Canter, Pharmacy '04, to the graduating student who has attained the highest standing in pharmacy.

Jacob I. Mendelson Award

The Jacob I. Mendelson prize is awarded annually to the student having the highest general average in pharmaceutical economics. It offers nomination to membership in the Pennsylvania Pharmaceutical Association and one year's dues to the senior student with the highest grade in pharmaceutical economics.

Bristol Award

An award is made annually by Bristol Laboratories, Inc., to the graduating senior who in the opinion of the Dean and Faculty has contributed the most to the advancement of pharmacy through extracurricular activities. The award consists of a copy of Howard's *Modern Drug Encyclopedia*.

Merck Award

An award is made annually by Merck and Co., Inc., to two honor students in the graduating class. The award consists of one copy each of *The Merck Index* and *The Merck Manual*.

Galen Pharmaceutical Society of Pittsburgh Award

This award (\$50) is made annually to a deserving student of the sophomore class selected by a committee consisting of members of the faculty of the School of Pharmacy and members of the Galen Society of Pittsburgh.

Alpha Zeta Omega Sophomore Award

The Mu chapter of Alpha Zeta Omega fraternity has established a yearly award to be given to that sophomore student who has attained the highest scholastic achievement in all courses covered in the freshman and sophomore years.

The award consists of the latest edition of the *United States Dispensatory*. The selection is made by a committee consisting of the Dean of the School of Pharmacy, the faculty adviser, and the active directorum of the fraternity.

Alvin J. Vavro Memorial Award

The Beta Kappa chapter of Kappa Psi pharmaceutical fraternity each year presents an award of \$25 to that sophomore student who, in the judgment of the committee, exhibits leadership and a devotion to the ideals of pharmacy. The award, dedicated to the memory of Alvin J. Vavro, Pharmacy '48, is given at the beginning of the first semester of the junior year. The committee consists of the Dean of the School of Pharmacy, the faculty adviser, and the active regent of the fraternity.

Cordelia Scaife May Fellowship in Hospital Pharmacy

Each year the School of Pharmacy of the University of Pittsburgh will award one Cordelia Scaife May fellowship in hospital pharmacy. The fellow will be expected to register as a graduate student of the University of Pittsburgh and pursue studies leading to a graduate degree. He will serve as a laboratory assistant in one course in the School of Pharmacy and carry on supervised training in the Central Pharmacy of the University Health Center, which serves four hospitals and an outpatient clinic. Candidates must be graduates holding as a minimum a Bachelor of Science in Pharmacy or a Bachelor of Science degree from an accredited School of Pharmacy in the United States.

Meyer and Powers Company, Incorporated, Scholarship

The Meyer and Powers Company of Braddock, Pennsylvania, offers scholarship funds to a deserving student or students in the School of Pharmacy. Applications for the scholarship are to be made in writing to the Director of the Central Scholarship Office, University of Pittsburgh, Pittsburgh 13, Pennsylvania. Selection of the awardees will be based on academic performance and demonstrated financial need.

OTHER AWARDS AND SCHOLARSHIPS

Students in the School of Pharmacy are eligible also for some of the scholarships, loan funds, and prizes available to other students in the University. These include the following:

Heinz Students Educational Fund

A bequest was made by the late Howard Heinz to establish a *scholarship loan fund* to provide financial aid to students, either as undergraduates or as holders of degrees from any undergraduate department of the institution and engaged in any of the postgraduate schools or professional schools of the University. The awards from the fund shall be loans to students selected each year by a *Committee on Award*. The maximum loan to any one student in any one college year may be \$1,000. All loans must be guaranteed by pledge of a life insurance policy.

Emma W. Locke Memorial Award

An award of \$100 is given annually to a graduating senior in one of the undergraduate schools by Charles A. Locke, in memory of his mother, Emma W. Locke. A scroll, attested with the University seal and signed by the Chancellor and the Secretary of the University, accompanies the \$100. The basis of award is high scholarship, character, and devotion to the ideals of the University.

Ben J. Lubic Memorial Fund

An endowment fund was given the University in September, 1948, by Mrs. Paula C. Lubic in memory of her husband, Ben J. Lubic, a 1917 graduate of the University of Pittsburgh School of Law. The income of this fund supports an annual award to a student in the University. It is given each spring on Tap Day to a full-time junior student of the Schools of Business Administration, Engineering, Mines, Education, Nursing, Pharmacy, or The College. The award will be payable the next September upon the student's return to school for the senior year. The basis for selection shall be good character and citizenship as exemplified in classroom and in student life. The recipient need not have financial need nor scholastic excellence.

Owens Fellowship

A bequest of Samuel T. Owens, Jr., makes fellowships available for needy students who show promise of high academic achievement. These fellowships carry an annual stipend of \$1,000. The fellowship may be used in payment of tuition, fees, books, and living expenses during the academic year for which the award is granted. Owens Fellowships are not available for a single semester or for the summer sessions.

To be eligible for consideration for an Owens Fellowship, an applicant must present evidence that he will be a full-time student during the year of award in one of the following categories: Senior in The College, School of Business Administration, Education, Engineering, Mines, Nursing, or Pharmacy; second, third, or fourth year student in the School of Medicine or Dentistry; second or third year student in the School of Law; student in one of the University's graduate programs.

cians and the people at large upon just principles which shall promote the public welfare and tend to mutual strength and advantage.

3. To regulate the system of apprenticeship and Employment so as to prevent as far as practicable the evils flowing from deficient training in the responsible duties of preparing, dispensing and selling medicine.

4. To suppress empiricism and discourage quackery and as much as possible to restrict the dispensing and sale of medicine to regularly Educated Druggists and Apothecaries.

5. To uphold standards of authority in the Education, Theory and Practice of Pharmacy.

6. To create and maintain a standard of professional honesty, equal to the amount of our professional knowledge with a view to the highest good and greatest protection to the public.

ARTICLE II.

This Association shall consist of active and contributing or honorary members.

ARTICLE III.

The Officers of this Association shall be a President; Two Vice-Presidents; A Recording Secretary; A Corresponding Secretary; and a Treasurer. All of whom shall be elected annually and hold office until an election of successors.

ARTICLE IV.

Every proposition to alter or amend this CONSTITUTION shall be submitted in writing and may be balloted for at the next meeting when upon receiving the votes of three-fourths of the members present, it shall become a part of the constitution.

BY-LAWS

CHAPTER I.

Of the President and Vice-Presidents.

ARTICLE I. The President shall preside at all meetings of the Association, in his absence or inability, one of the Vice Presidents, or in the absence of all, a President pro tempore shall perform the duties of President.

ARTICLE II. In the absence of the Recording Secretary the President shall appoint a Secretary pro tem.

ARTICLE III. In meetings the President shall take the chair at the proper time; announce all business; receive all proper motions, resolutions, reports and communications, and order the vote upon all proper questions at the proper time.

ARTICLE IV. The President shall have the right to vote on all questions before the Association, but his name shall be called last.

ARTICLE V. He shall enforce order and decorum; it is his duty to hear all that is spoken in debate, and in case of personality or impropriety, he shall

promptly call the speaker to order. He shall decide all questions of order, subject to the right of appeal, unless in cases where he prefers to submit the matter to the meeting; decide promptly who is to speak when two or more members rise at the same moment; and be careful to see that business is brought forward in proper order.

ARTICLE VI. He shall have the right to call a member to the chair in order that he may take the floor, in debate.

ARTICLE VII. He shall see that the Constitution and By-Laws are properly enforced.

ARTICLE VIII. He, with the assistance of the Two Vice-Presidents shall appoint all committees unless otherwise ordered by the Association.

ARTICLE IX. He shall sign the certificates of membership and countersign all orders on the Treasurer. He shall obey the Instructions of the Association and authenticate by his signature, when necessary its proceedings.

ARTICLE X. He shall present at each annual meeting a report of the operations of the Association during the year, with such information pertaining to its condition and prospects, and the object it has in view, together with such suggestions for its future management, as may seem to him proper.

CHAPTER II.

Of the Recording Secretary.

ARTICLE I. He shall keep fair and correct minutes of the proceedings of the meetings and carefully preserve all reports, essays and papers of every description received by the Association.

ARTICLE II. He shall read all papers handed to him by the President for that purpose, shall call and record the yeas and nays whenever they are required to be called and keep a "Roll Call."

ARTICLE III. He shall be ex-officio a member of the Executive Committee.

CHAPTER III.

Of the Corresponding Secretary.

ARTICLE I. He shall assist the Recording Secretary in his duties, shall inform the members of the meetings and shall attend to all public notices, and foreign correspondence.

ARTICLE II. He shall notify new appointments for membership of their election or rejection.

CHAPTER IV.

Of the Treasurer.

ARTICLE I. The Treasurer shall collect and take charge of the funds of the Association, keep a correct account of the same, he shall hold, sign and issue the certificates of membership.

ARTICLE II. He shall pay no money except on the order of the Secretary, countersigned by the President.

ARTICLE III. He shall report to the Executive Committee previous to each annual meeting the names of such members as have failed to pay their annual contribution and also the names of such as have failed to return their certificates of membership after having been officially disconnected with the Association, and having been duly notified to return them.

ARTICLE IV. He shall present a statement of his accounts at the annual meeting that they may be audited.

CHAPTER V.

Of Membership.

ARTICLE I. Every Pharmacist and Druggist of good moral and professional standing, whether in business on his own account, retired from business or employed by another, having served at least five years at the Drug and Apothecary Business, who after duly considering the objects of the Association and the obligations of its Constitution and By-Laws, are willing to subscribe to them, are eligible to membership.

ARTICLE II. Any person eligible to membership may make application in writing, with the endorsement of any two members of the Association in good standing, to any member of the Executive Committee, who shall report his application to the said committee. If after investigating his claims they shall approve of his election, they shall at the earliest time practicable, report his name to the Association and he may be elected by two-thirds of the members present on ballot.

ARTICLE III. No person shall be a member of this Association, nor shall his name be placed on the roll until he shall have signed the Constitution and paid in the Treasury the sum of three (3) Dollars as an initiation fee, and the annual contribution for the current year.

ARTICLE IV. Every member shall pay in advance to the Treasurer the sum of three (3) Dollars as his yearly contribution and is liable to lose his membership by neglecting to pay said contribution for two successive years.

ARTICLE V. Members shall be entitled on the payment of one Dollar to receive a certificate of membership signed by the President, one Vice-President, Recording Secretary, and Treasurer at the same time covenanting to return the same to the proper officer on relinquishing their connection with the Association.

ARTICLE VI. Persons constitutionally elected to membership become permanent members, and their membership can cease only by resignation, non-payment of dues or by expulsion, as provided by these By-Laws.

ARTICLE VII. Resignation of membership shall be made in writing to the

Recording Secretary or Treasurer, but no resignation shall be accepted from any one who is in arrears to the Treasury, unless otherwise ordered by the Association.

ARTICLE VIII. Any member may be expelled for improper conduct, or the violation of the Constitution, By-Laws or Ethics adopted by the Association, when such charges are proven, but no person shall be expelled unless he shall receive for expulsion two-thirds of the votes cast at some regular meeting.

CHAPTER VI.

Of Committees.

ARTICLE I. There shall be an Executive Committee consisting of 3 members and the Recording Secretary which shall be elected at each annual meeting.

ARTICLE II. They shall have the duty to examine all applications for membership and report on the same. Audit all accounts and attend to such other new and unfinished business as may from time to time be referred to them by the Association.

CHAPTER VII.

Of Meetings.

ARTICLE I. The regular meeting of the Association shall be held on the first Thursday of each month.

ARTICLE II. Special meetings may be held at such time as designated at regular meetings or on call of the President on the written application of five members, setting forth the object of such meeting—and at such time no other business shall be transacted.

ARTICLE III. Nine members shall constitute a quorum for the transaction of business.

ARTICLE IV. Order of Business

1. Roll Call
2. Reading of Minutes
3. Report of Committees
4. Miscellaneous Business—Election of Officers, etc. at proper time
5. Reading of Essays. Discussions on scientific subjects relating to the profession
6. Adjournment

MISCELLANEOUS

Any motion to alter or amend these By-Laws shall fall under the rules of Article IV relating to alter Constitution. In all such points of order as are not noticed in these By-Laws the Association shall be governed by the Established usage in all assemblies governed by Parliamentary Rules.

The following names appear in the original minutes as subscribers to the

Constitution: A. J. Rankin, Joseph Abel, G. W. Schmidt, A. Meckelburg, Henry B. Schwartz, Charles Hauck, Frederick H. Eggers, Jesse Sill, S. H. Druid, C. S. Ahl, A. B. Hill, T. C. Waites, Harrison S. Lutz, Archibald Falconer, W. H. Brill, Peter Walter, Jr., David Davis, Jr., M. M. Schneider, James R. Clark, Louis Steitz, Newton M. McClarran, Joseph F. Neely, M. J. McGann. New members who also signed the Constitution at a later date were: Charles Abel, Henry Schmidt, J. Mitchell, A. Torrence, J. T. McKennan, H. C. Duvall, H. B. Slotterbeck, I. R. McClelland, C. G. Woods, W. W. Davis, Joseph Park, J. F. Caldwell, Gotlieb Eisenbeis, W. Hughes, Joseph Kimmel, W. H. Whitmore, James B. Graham.

Code of Ethics.

Pharmacy being a profession which demands knowledge, skill and integrity on the part of those engaged in it, and being associated with the medical profession in the responsible duties of preserving the public health and dispensing the useful thought often dangerous agents, adapted to the care to disease, its members should be united on some general principles to be observed in the several relations to each other, to the medical profession and to the public and the members of the Pharmaceutical Association of Allegheny County do now agree upon the following principles for the government of their conduct.

ARTICLE I. As the Practice of Pharmacy can only become uniform by the adoption of the National Pharmacopoeia as a guide in the preparation of official Medicines, by open and candid intercourse among Pharmaceutists and by encouraging that Esprit de Corps which will prevent the disreputable practices arising from injurious competition and the use of Secret formulae. Therefore it is agreed by the Members of the Association to use solely the National Pharmacopoeia.

ARTICLE II. Whilst the members of this Association do not at present consider themselves in a condition to abandon the Sale of Secret or Quack Medicines, yet they will recommend the propriety of discouraging their Employment when called upon for an opinion as to their merits.

ARTICLE III. As the practice of Pharmacy and the practice of Medicine belong to the province of distinct Professions and as a Pharmaceutical education does not qualify one for the responsible offices of the physician, we should where it is practicable refer applicants for medical aid to regular physicians.

ARTICLE IV. We hold it to be highly censurable for an Apothecary to allow a percentage or a commission to Physicians on the prescriptions as it is unjust to the public and hurtful to the independence and self respect to both parties.

ARTICLE V. The Apothecary should be remunerated by the public for his knowledge and skill and in his charges should be regulated by the time consumed in the preparation as well as by the articles sold, although location and other circumstances necessarily affect the rate of charges at different establishments; no Apothecary should intentionally undersell his neighbors with a view to their injury.

ARTICLE VI. As Physicians are liable to err in writing their prescriptions the Pharmacist should always consult the Physician before proceeding, when he deems a mistake has been made, it is his duty to accomplish the interview if possible, without compromising the reputation of the physician. On the other hand when Pharmacists commit an Error involving serious consequences the physician, knowing the numerous sources of Error should feel bound to screen him from undue censure, unless in case of ignorance or culpable negligence.

ARTICLE VII. As the Apothecary should be able to distinguish between good and bad Drugs in most cases and as the substitution of a weak or inert Drug for an active one, may negatively be productive of serious consequences—we hold that the intentional Sale of impure Drugs and Medicines from motives of Competition or desire of Gain, when pure articles of the same kind may be obtained, is highly culpable and that, it is the duty of Every honest Apothecary and Druggist to expose all such fraudulent acts as may come to his Knowledge.

ARTICLE VIII. As compounding prescription and dispensing medicine at retail should form no part of the business of the wholesale Druggist and is highly injurious to our trade, we cannot be expected to make our purchases from those who are addicted to any of the aforementioned practices. This article does not apply to those who have wholesale and retail stores combined.

ARTICLE IX. As there are many powerful substances that rank as poisons, which are constantly kept by the Apothecaries and prescribed by physicians and which are only safe in their hands, such as Arsenic, Vegetable Alkaloids, Opium, Ergot, Cantharides, Oil of Savin, etc. etc. we hold that the Apothecary is not justified in selling these powerful agents indiscriminately to persons unqualified to administer them and that a prescription should always be required, except in those cases, when the poisons are intended for the destruction of animals or vermin—and in those instances only with the guarantee of a responsible person and registering his name, address and the poison sold in a proper book kept for that purpose (as according to Penal Code of Penna.)—and we hold that when there is good reason to believe that the purchaser is habitually using opiates or stimulants to excess, Every Conscientious Apothecary should discourage such practice.

ARTICLE X. We hold that the indiscriminate sale of Wines and Liquors is very unprofessional and disgraceful and should only be dispensed in case when used for Medicinal purposes only.

ARTICLE XI. No apprentice to the business of Apothecary should be taken for a less term than three years unless he has already served a portion of that time in an establishment of good character.

DOCUMENT B

CONSTITUTION OF THE PITTSBURGH COLLEGE OF PHARMACY 1883

ARTICLE I.

This Association shall be called The Pittsburgh College of Pharmacy. Its object shall be cultivation, improvement and dissemination of a knowledge of Pharmacy and its collateral branches of science, and of giving instruction in same by public lectures.

ARTICLE II.

The College shall consist of active and honorary members.

ARTICLE III.

The officers of the College shall be a President, two Vice-Presidents, Recording Secretary, Corresponding Secretary, Treasurer, and Curator, all of whom shall be elected annually at a stated meeting in March.

ARTICLE IV.

The ordinary affairs of the College shall be conducted by a Board of Trustees consisting of eleven members, five of whom shall be elected the last Monday in March, and six the last Monday of September, to serve for one year. The said Board of Trustees of which the officers of the College shall be ex-officio members, and of which seven shall constitute a quorum, shall make rules and regulations and do all other things necessary for the government and support of the School of Pharmacy as it may deem fit and proper, and perform such other duties as are or may be from time to time committed to it by the said College at such stated meeting.

ARTICLE V.

The right of voting, of holding offices and of transacting business lies solely with the active members.

ARTICLE VI.

The College shall have a common seal.

ARTICLE VII.

The College may establish such by-laws for its government and regulation as may be deemed necessary and proper.

BY-LAWS OF THE
PITTSBURGH COLLEGE OF PHARMACY.

CHAPTER I.

Of the President and Vice-Presidents.

ARTICLE 1. The President, or in his absence one of the Vice-Presidents, or in their absence a President pro tempore shall occupy the Chair at the meetings of the College, enforce the laws, preserve order, and shall give the casting vote when necessary.

ARTICLE 2. He shall at the request of any three members, in writing, specifying the object in view, call a special meeting of the College.

ARTICLE 3. He shall nominate all committees unless a ballot be required by the members, or they be otherwise provided for by the by-laws; and he shall sign all the diplomas and certificates of the College.

ARTICLE 4. He shall confer the degree on the graduates of the College at the Annual Commencement.

CHAPTER II.

Of the Recording Secretary.

ARTICLE 1. The Recording Secretary shall take and preserve correct minutes of the proceedings of the College, preserve all documents belonging thereto that may come into his possession, notify members of their election by the College, and inform the Treasurer of persons so elected.

ARTICLE 2. He shall keep a correct list of the members of the College, with dates of their election, resignation or death.

ARTICLE 3. He shall issue the notices for the meetings of the College at least three days previous to the time, and furnish the chairman of all committees with a copy of the minutes of their appointment.

ARTICLE 4. He shall compile the minutes for publication if required.

CHAPTER III.

Of the Corresponding Secretary.

ARTICLE 1. The Corresponding Secretary shall conduct and preserve the correspondence of the College with corresponding and honorary members, scientific individuals and societies. It shall be his duty to reply to all foreign communications addressed to or regarding the College. He shall at first submit all his proceedings to the President for his approval, and their record shall be read at each stated meeting of the College.

CHAPTER IV.

Of the Treasurer.

ARTICLE 1. The Treasurer shall receive and take charge of the funds of the College, giving bond and security to the President, if required, for the faithful discharge of this trust. He shall hold and issue the certificates of membership and diplomas; shall have the custody of the seal and affix the same under the direction of the College or Board of Trustees.

ARTICLE 2. He shall collect all dues to the College and shall pay no moneys unless on an order of the President or the Chairman of the Board of Trustees, countersigned by the respective Secretaries of the College or Board of Trustees as the case may be.

ARTICLE 3. He shall notify the Secretary of the College, in writing, when any new member has signed the Constitution and paid his initiation fee, and also, when from any cause a member has ceased connection with the College.

ARTICLE 4. He shall present annually to the Board of Trustees, at the stated meeting in February, a statement of his account.

CHAPTER V.

Of the Librarian.

ARTICLE 1. The Librarian shall take charge of all books and pamphlets belonging to the College, and shall report on the condition of the same annually, at the stated meeting in March.

ARTICLE 2. He shall make out two copies of a catalogue of all books and pamphlets belonging to the College, adding thereto the title in full of each one as received. Where books are presented to the College the name of the donor shall be inserted in the catalogues together with the date of the gift.

ARTICLE 3. One of the catalogues so made out shall be open to the inspection of members, and the other shall be placed in the archives of the College.

CHAPTER VI.

Of the Curator.

ARTICLE 1. The Curator shall take charge of the Cabinet together with all specimens that may by donation or otherwise come into the possession of the College, and shall report on the condition of Cabinet annually at the stated meeting in March.

ARTICLE 2. He shall make out two copies of a catalogue of all specimens belonging to the College, adding thereto a description of each specimen as received. When specimens are presented to the College the name of donor shall be inserted in the catalogues together with the date of the gift.

ARTICLE 3. One copy of the catalogues so made out shall be open to the inspection of the members, and the other shall be placed in the archives of the College.

ARTICLE 4. All specimens in the cabinet must be labelled by the Curator as far as practicable.

CHAPTER VII.

Of Members.

ARTICLE 1. Any Candidate for membership must be proposed in writing, by two members, at one stated meeting of the College, or of the Board of Trustees, and may be balloted for at the next stated meeting, respectively, of the College, or of the Board of Trustees as the case may be, when three negative votes shall defeat his election.

ARTICLE 2. All applications for membership shall be referred to a committee of three, whose duty it will be to investigate the moral character and professional standing of said applicants and report at next stated meeting.

ARTICLE 3. Members may reside in any part of the United States, and upon election shall pay an initiation fee of two dollars, and thereafter a contribution of three dollars annually, in advance.

ARTICLE 4. Any active member who shall pay into the hands of the Treasurer the sum of fifty dollars at one time shall become a life member, and shall be exempted from all future annual contributions.

ARTICLE 5. Any graduate in pharmacy or medicine of the regular school, conforming in his professional conduct to the code of ethics adopted by this College, may become an active member.

ARTICLE 6. Any druggist, chemist, manufacturing pharmacist, or apothecary, conforming to the code of ethics adopted by this College, who is not a graduate in pharmacy, may be examined by a committee of examination to be appointed annually by the Board of Trustees, and if his examination is satisfactory he may, upon its recommendation, be elected an active member.

ARTICLE 7. Any such applicant who has been established in business for at least six years shall be eligible for membership.

ARTICLE 8. Members of the College shall, at all times, have free access to the library, subject to such rules and regulations as the Library Committee may adopt.

ARTICLE 9. Pharmacutists, druggists, and chemists residing beyond the limits of the United States, who have attained a good reputation for integrity, knowledge and ability in their business may be elected corresponding members of the College.

ARTICLE 10. All such persons, as from their knowledge of materia medica, chemistry, pharmacy and their collateral branches of science, who shall in the opinion of the College merit that distinction, may be elected honorary members of the College.

ARTICLE 11. Corresponding and honorary members shall have the same privileges as active members in regard to the use of the library and cabinet and

attending the lectures and meetings of the College, but they shall be exempt from any pecuniary obligations to the College, and shall have no right to vote or hold office therein.

ARTICLE 12. Any person elected an active member of the College neglecting to pay his initiation fee and to sign the Constitution for six months after being informed of his election, shall forfeit his right of membership.

ARTICLE 13. No resignation shall be received from any active member of the College unless accompanied by a voucher from the Treasurer that his certificate of membership has been returned or destroyed and all arrearages have been paid. The College may, however, by vote continue the certificate to one who may have resigned his membership.

ARTICLE 14. A member may be expelled from the College for sufficient cause by vote of three-fourths of the active members present at a stated or a special meeting, notice of the intention of the College to consider the subject of expulsion of a member having been given at previous meeting, but no member shall be expelled without being notified and having an opportunity of being heard in his own defense.

ARTICLE 15. Any member of the College neglecting the payment of his contributions for two years after they are due shall forfeit his right of membership, and is liable to have his name stricken from the list.

ARTICLE 16. Every member of the College shall, on paying three dollars, be entitled to a certificate of membership, signed by the President and Vice-President, attested by the Recording Secretary and sealed with the seal of the College; such member covenanting in writing to return said certificate to the College on ceasing to be a member from any cause whatever. The publication of the certificate of membership as a business advertisement is deemed inconsistent with the spirit of the code of ethics.

ARTICLE 17. A committee of three shall be appointed at the stated meeting in September whose duty it shall be to report annually the deaths of members of the College, with such biographical notices as may be appropriate.

CHAPTER VIII

Of the Trustees.

ARTICLE 1. The Board of Trustees shall meet once a month, or oftener if necessary, by adjournment or on the call of their Chairman, and seven members shall constitute a quorum for the transaction of business.

ARTICLE 2. They shall control and regulate the School of Pharmacy, shall appoint professors as vacancies may occur, or as they may deem expedient to lecture on materia medica, chemistry, theory and practice of pharmacy and other branches of science.

ARTICLE 3. They shall be entrusted with the election of members, as specified in Chapter vii of these By-Laws.

ARTICLE 4. They shall appoint a Committee of Examination, who, in conjunction with the professors in the School of Pharmacy, shall examine and determine the fitness of candidates for the degree, and may, by vote, confer the degree of Graduate in Pharmacy upon such as are recommended as suitable by said committee.

ARTICLE 5. They shall appoint committees to have the oversight of the library, the cabinet, the herbarium and the apparatus of the College, and may, from time to time, appropriate funds of the College to the increase of these for the benefit of the members and students.

ARTICLE 6. They shall have the care and oversight of the College, with the authority to rent rooms for the purposes of the College.

ARTICLE 7. The minutes of the Board of Trustees shall be read at the meetings of the College for their approval or dissent.

CHAPTER IX

Of Meetings.

ARTICLE 1. The stated meetings of the College, for the transaction of business, shall be held quarterly on the last Monday in March, June, September and December.

ARTICLE 2. Eleven members shall constitute a quorum.

ARTICLE 3. As soon as eleven members shall appear at or after the appointed time of meeting, the President, or in his absence one of the Vice Presidents, or in their absence a president pro tempore shall take the chair and call the members to order.

ARTICLE 4. After the meeting has been organized, no member shall leave the room without permission from the presiding officer.

ARTICLE 5. The order of business at stated meetings shall be:

1. Members present noted by the Secretary.
2. Minutes of the last meeting read and corrected, if necessary, and adopted.
3. Minutes of the Board of Trustees since the last stated meeting of the College read.
4. Unfinished business from minutes of last meeting.
5. Business presented by minutes of the Board of Trustees.
6. Report of Committees.
7. New Business.
8. Election of members.
9. Adjournment.

ARTICLE 6. As an adjournment meeting is the continuation of a previous meeting, after reading the minutes of such meeting, may be taken up at that point where it was interrupted by the adjournment and the ordinary business followed.

ARTICLE 7. At a special meeting the College shall immediately proceed to the consideration of the business for which it was convened, and no other shall be brought before it at such meeting.

ARTICLE 8. The Chair shall decide upon questions of order, from which decisions, however, an appeal to the meeting may be had if required by two members, and the meeting shall thereupon decide without debate.

ARTICLE 9. No motion shall be received unless seconded, nor until the mover, if required by the President or a member, shall have committed it to writing.

ARTICLE 10. Every member when speaking shall address the Chair, and when a question is before the meeting no motion shall be received unless to amend, divide, commit, postpone or to adjourn, and a motion to adjourn shall always be decided without debate.

ARTICLE 11. On the call of any two members the yeas and nays shall be ordered. When the question is decided by yeas and nays each member present shall vote unless excused by a majority of those present, and the names and manner of voting shall be entered upon the minutes.

CHAPTER X

Of the Pharmaceutical Meetings.

ARTICLE 1. The pharmaceutical meetings of the College shall be for scientific purposes and also for other matters concerning the welfare of the drug trade. The meetings shall be held on the third Tuesday of every month, from October to May inclusive.

ARTICLE 2. Five members shall constitute a quorum.

ARTICLE 3. As soon after the hour as five members shall appear, the President, or in his absence one of the Vice-Presidents; or in his absence a Chairman pro tempore, shall take the chair and call the members to order.

ARTICLE 4. The order of proceedings at these meetings shall be as follows:

1. Minutes of the preceding meeting read, corrected, if necessary, and adopted.
2. Strangers introduced.
3. Donations to Library or Cabinet received.
4. Reports of committees.
5. Written communications.
6. Verbal communications, miscellaneous business, and conversation.

ARTICLE 5. Members may introduce to these meetings graduates and students of the College and other persons having an interest in science generally, who, when introduced, shall be entitled to participate in the scientific discussions.

ARTICLE 6. A Registrar shall be elected annually at the meeting in October to issue notices, prepare business and record the proceedings of the pharmaceutical meetings.

CHAPTER XI

Certificates.

ARTICLE 1. The College shall grant certificates as follows:

1. To active or corresponding members: The Pittsburgh College of Pharmacy, instituted to promote and encourage a knowledge of pharmacy and its collateral branches of science and to guard against abuses in the preparation and sale of medicine, reposing confidence in the knowledge, skill and integrity of has elected him an active, corresponding, or life member, as the case may be. In testimony whereof are hereunto affixed the signatures of the proper officers and the seal of the said College this day of in the year of our Lord.

2. To honorary members: The Pittsburgh College of Pharmacy has duly elected an honorary member as a mark of respect for his scientific researches and acquirements. In testimony whereof are hereunto affixed the names of the officers and the seal of the College this day of

CHAPTER XII

Of Amendments.

ARTICLE 1. Every proposition to alter or amend these By-Laws shall be submitted in writing at one stated meeting and may be balloted for at the next stated meeting, when, upon receiving the votes of two-thirds of the members present, it shall become a part of the By-Laws.

ARTICLE 2. No one or more of these By-Laws shall be suspended.

CHAPTER XIII

Miscellaneous.

ARTICLE 1. In all such points of order as are not noticed in these By-Laws the College is to be governed by the established usages in similar institutions.

Respectfully submitted by your committee,

S. Henry Stevens, *Chairman*

Wm. G. Schirmer

Louis Emanuel

BY-LAWS OF THE BOARD OF TRUSTEES

CHAPTER I

ARTICLE 1. The officers of the Board shall be Chairman and a Secretary, who shall be elected by ballot at the stated meeting of the Board next succeeding the semi-annual elections of the College.

ARTICLE 2. The Chairman shall preside at the meetings of the Board, enforce the laws, preserve order, put all motions to vote, when seconded, and appoint the standing committees, excepting the Committee on Examination. He shall sign all drafts on the Treasurer. He shall give the casting vote where the Board is equally divided. At the request of three members in writing, he shall call special meetings of the Board.

ARTICLE 3. In the absence of the Chairman, a chairman pro tempore shall occupy the chair and perform the duties of the Chairman.

ARTICLE 4. In the election of any committee (other than the standing committees of the Board), unless otherwise ordered, it shall be the duty of the Chairman of the Board to nominate the first member of such committee, who may then be elected by the Board. The member so elected shall nominate the second member of the committee, who may then be likewise elected, and he in turn shall nominate the third member of the committee, and so on until the requisite number has been elected.

ARTICLE 5. The Secretary shall keep regular minutes of the proceedings of the Board and a list or roll of its members, preserve all its documents belonging thereto, certify all drafts of the Board upon the Treasurer, notify the members of the time and place of meeting at least one day previous, and furnish the chairman of all committees with a copy of the minutes of their appointment, as well as individuals of their election to membership. He shall also inform the Treasurer of persons so elected.

CHAPTER II

Of Committees and Their Duties.

ARTICLE 1. The standing committees of the Board (excepting the Committee on Examinations) shall each consist of three members of the College, to be appointed at the first stated meeting of the Board, and shall be as follows:

1. A Committee on the Hall.
2. A Committee on the Library.
3. A Committee on the Cabinet and Apparatus.
4. A Committee on the Herbarium.
5. A Committee on Accounts.
6. A Committee on Examinations.
7. A Committee on Lectures.

ARTICLE 2. The Committee on the Hall shall have the general care of the Hall, and shall provide such conveniences as may be necessary for the accommodation of the College, the Board of Trustees and the School of Pharmacy.

ARTICLE 3. The Committee on Library shall procure with the funds placed at their disposal by the College and Board of Trustees such works on pharmacy, chemistry, and materia medica and the collateral sciences as they may deem proper to be placed in the Library; shall negotiate all exchanges of duplicates, and shall keep all books, pamphlets and manuscripts in good order for the use of the members and their apprentices subject to such rules and regulations as the Committee, with approbation of the Board, may adopt.

ARTICLE 4. The Committee on the Cabinet and Apparatus shall procure, with the funds placed at their disposal by the College and Board of Trustees, such specimens and apparatus illustrating pharmacy, chemistry, and materia medica and the collateral sciences as they may deem proper, and shall arrange them in proper order, subject to such rules and regulations as the Committee, with the approbation of the Board, may adopt.

ARTICLE 5. The Committee on Herbarium shall keep the Herbarium in order, shall collect plants and place them in a condition to be used in lectures on botany, materia medica, pharmacy, etc; shall effect exchanges and enter into correspondence with individuals, societies and colleges of our own and foreign countries.

ARTICLE 6. The Committee on Accounts shall examine and approve (by at least two of its members) all bills previous to their being presented to the Board for payment.

ARTICLE 7. The Committee on Examinations shall consist of five members, four of whom shall be of the Board of Trustees, and one shall be a professor in the College, and shall be elected by ballot annually at the stated meeting of the Board in December.

ARTICLE 8. The Committee on Examinations shall examine candidates for membership who are not Graduates in Pharmacy in reference to their fitness to conduct the business of druggist and apothecary, and shall report to the next stated meeting of the Board held after such examination.

ARTICLE 9. Immediately after the conclusion of the lectures, and in June, the Committee on Examinations, together with the Professors, shall receive and examine all original dissertations or theses presented to them by the candidates for the Diploma of the College, and shall carefully examine all candidates personally upon their qualifications to conduct business of druggist and apothecary in a reputable and scientific manner, and report their opinion jointly to the Board of Trustees at their next stated meeting after the examination, who shall decide finally upon all such applications for the Diploma of the College.

ARTICLE 10. The Committee on Examinations shall deliver to the Board of Trustees at the stated meeting at which they shall report, the theses and accompanying certificates of all candidates whom the Professors and the Committee may jointly recommend as suitable to receive the Diploma of the College, which documents shall then be placed in charge of the Library Committee.

ARTICLE 11. It shall be the duty of the Standing Committees on the Hall, the Library, the Cabinet and Apparatus and the Herbarium to report to the Board at their stated meetings in March and September, or oftener if necessary, whether any and what business has come before them relating to the duties respectively assigned them.

CHAPTER III

Of Meetings.

ARTICLE 1. The stated meetings of the Board of Trustees shall be held on the second Tuesday in every month.

ARTICLE 2. Special meetings may be called by resolution of the Board or at the request of three members in writing.

ARTICLE 3. At a special meeting, after the reading of the call for such meeting, the Board shall immediately proceed to the consideration of the business for which it was specially convened, and no other business shall be brought before it at such meeting.

ARTICLE 4. At an adjourned meeting, after the reading of the minutes of the previous meeting, business shall be taken up at the point where it was interrupted by the adjournment, and the ordinary order of business followed.

ARTICLE 5. As soon as seven members shall appear at or after the time appointed for meeting, the Chairman, or, in his absence, a chairman pro tempore shall take the chair and call the Board to order.

ARTICLE 6. In the absence of the Secretary, a secretary pro tempore shall be elected, who shall perform the duties of the Secretary until his arrival.

ARTICLE 7. After the Board has been organized, no member shall leave the room without permission from the Chairman.

ARTICLE 8. No motion shall be put until the mover, if required by the Chairman or member, shall have committed it to writing.

ARTICLE 9. At stated meetings, business shall proceed in the following order:

1. Members present noted by the Secretary.
2. Minutes of last meeting read, corrected, if necessary, and adopted.
3. Unfinished and deferred business.
4. Reports of Standing Committees.
5. Reports of Special Committees.
6. Presentation of bills.
7. New business.

8. Proposition of members.
9. Election of members.
10. Adjournment.

ARTICLE 10. Every member, when speaking, shall address the Chairman, and when a question is before the meeting no motion shall be received unless to amend, divide, commit, postpone, or to adjourn, and a motion to adjourn shall always be decided without debate.

CHAPTER IV

Of Election of Members.

ARTICLE 1. Members may be elected by the Board of Trustees as provided for in Section VII of the By-Laws of the College.

ARTICLE 2. Election of members shall be by ballot.

ARTICLE 3. If the election of any proposed candidate for membership be defeated, the name of such candidate shall not be recorded on the minutes.

CHAPTER V

Of Graduation.

ARTICLE 1. Every person upon whom a Diploma of this College shall be conferred must be of good moral character; must have arrived at the age of twenty-one years; have attended two courses of each of the lectures delivered in the College, or one course in the college and one course in some other respectable College of Pharmacy, the last of which must be in this College, or where there is no such college organized in his locality, in some respectable medical institution in which the same branches are taught.

ARTICLE 2. He shall have served an apprenticeship of at least four years with a person or persons qualified to conduct the drug or apothecary business, at least three years and three months of which must have expired before the examination, of which circumstances he must produce sufficient evidence.

ARTICLE 3. He shall also be required to produce an original dissertation or thesis upon some subject of the materia medica, pharmacy, chemistry, or one of the branches of science immediately connected therewith, which shall be written with neatness and accuracy in his own handwriting.

ARTICLE 4. The thesis, with the evidence of apprenticeship and diploma fee, shall be deposited with the senior Professor of the School on or before the 20th of February of the session in which the application shall be made.

ARTICLE 5. Students who are in the employ of members of the College shall pay for each matriculation ticket, two dollars; all others shall pay four dollars.

ARTICLE 6. Every student must obtain from the Secretary of the Board of Trustees a matriculation ticket for every session, but only the first matriculation ticket shall be charged for.

ARTICLE 7. The fee payable to each professor for each course of lectures shall be twelve dollars.

ARTICLE 8. The Diploma fee shall be ten dollars.

ARTICLE 9. Graduate and members of the College, and all students who have paid for two full courses of lectures in the College, shall be admitted to subsequent lectures gratuitously.

ARTICLE 10. The annual examination for degrees will be held early in the month of March, but a second examination will be held in the month of June, of which those students who may not have accomplished their term of service at the annual examination, and other qualified applicants, may avail themselves, notice of application for such examination having been given before the first day of June.

ARTICLE 11. Any student, who shall willfully and persistently annoy or disturb the professors and the class, or shall cause any damage to the property of the College, or to the apparatus or specimens exhibited by the professors, shall be liable for all such damage and also to expulsion from the class, with the forfeiture of his tickets.

CHAPTER VI

ARTICLE 1. Every proposition to alter or amend these By-Laws shall be submitted in writing at one stated meeting and may be balloted for at the next stated meeting, when, upon receiving two-thirds of the votes of the members present, it shall become a part of the By-Laws.

CHAPTER VII

Of Certificate of Proficiency.

ARTICLE 1. Every person, on whom the Certificate of Proficiency in Chemistry and Materia Medica be conferred, must conform to all the qualifications required from a candidate for graduation except as follows: The term of apprenticeship may be in the wholesale drug business exclusive of the dispensing department, or in the chemical or pharmaceutical manufacturing business. The candidates will not be required to undergo an examination on practical pharmacy. In case of a person holding such Certificate of Proficiency of Chemistry and Materia Medica hereafter producing satisfactory evidence to the Board of Trustees that he has served a term of at least two years with a person or persons engaged in and qualified to conduct the apothecary business, he shall be entitled to an examination by the Professor of Pharmacy and Committee on Examinations, and having attended two courses of lectures on practical pharmacy, and if recommended in writing by said professor and committee jointly to the Board of Trustees, and his application being approved by of them, he shall be entitled to the degree of Graduate in Pharmacy and to receive the Diploma of the College.

ARTICLE 2. Said person shall hand over to the College said Certificate of Proficiency of Chemistry and Materia Medica, upon the conferment of the degree of Graduate in Pharmacy and receipt of the Diploma of the College.

ARTICLE 3. No one of these By-Laws shall be suspended.

DOCUMENT C

ORIGINAL AGREEMENT OF THE PITTSBURGH COLLEGE OF PHARMACY WITH WESTERN UNIVERSITY OF PENNSYLVANIA FOR USE OF ROOMS FOR TEACHING PHARMACY

September 26, 1878

This agreement made this day September 26th, 1878 by and between George Woods for the Western University, party of the first part and George A. Kelly on behalf of The Pittsburgh College of Pharmacy, party of the second part—

Witnesseth—That the party of the first part agrees to grant the use of Room No. 2 of the University Building for the three courses of lectures of forty each beginning on or near the first day of October and to continue twenty weeks also the service of Janitor, Coal, and Gas for the same and the apparatus and tests for the forty chemical lectures—a part of the one hundred and twenty—to be given by our Prof. Phillips, and the services of Prof. Phillips to give the said course of forty chemical lectures. And the party of the second part agrees to give Three Hundred Dollars in consideration of the above and ten dollars for each student who shall attend, or commence to attend the said course of Chemical Lectures.

The Three Hundred Dollars being for use of Room, Janitor service, Coal, Gas and Chemical Tests and the Ten Dollars Ticket fees for the Chemical Lectures.

George Woods,
George A. Kelly, *President of
Pittsburgh College of Pharmacy*

DOCUMENT D

THE INCORPORATION OF THE PITTSBURGH COLLEGE OF PHARMACY 1878

To the Honorable Edwin H. Stowe, President Judge, F. H. Collier, and John H. Bailey, associate Law Judges of the Court of Common Pleas Number One, in and for the county of Allegheny, in the Commonwealth of Pennsylvania:

The petition of B. L. Fahnestock, Jas. Kerr Jr., Fred H. Eggers, Perry M. Gleim, W. H. Brill, S. H. Stevens, Jos. Henderson, Chas. Schwarm, Henry Schmidt, Fred G. Seitz, F. R. Fleck, G. Eisenbeis, Wm. Schirmer, Jas. B. Cherry, D. C. Thompson, L. Emanuel, B. J. Stenger, Jno. T. McKennan, L. Brehm, Joseph Abel, Newton McClarran and A. J. Rankin respectively represents:

That they are all citizens of the Commonwealth of Pennsylvania, that they have associated themselves together for the purpose of cultivating, improving and disseminating the Knowledge of Pharmacy, and its collateral branches of science, and the giving instruction in the same by public lectures, and are desirous of obtaining a charter of incorporation under and in pursuance of an Act of the General Assembly of said Commonwealth entitled "An Act to provide for the incorporation and regulation of certain corporations", approved the 27th day of April, A.D., 1874, whereby they may enjoy all the powers and privileges conferred by said Act, and be subject to all the restrictions and limitations therein contained, and for that purpose, have adopted the following

CHARTER

- I The name of the Corporation is the "Pittsburgh College of Pharmacy".
- II The purposes for which the Corporation is formed are cultivating, improving and disseminating, the Knowledge of Pharmacy and its collateral branches of science, and the giving instruction in the same by public lectures.
- III The business of the Corporation shall be transacted in the City of Pittsburgh, Allegheny County, Pennsylvania.
- IV The Corporation shall have perpetual existence.
- V The number of Directors of the Corporation shall be nineteen, and the names and residences of the Directors chosen for the first year are:

B. L. Fahnestock, Pittsburgh, Pa.	L. Brehm, Pittsburgh, Pa.
Fred H. Eggers, Allegheny, Pa.	Jas. Kerr Jr., Pittsburgh, Pa.
W. H. Brill, Allegheny, Pa.	Perry M. Gleim, Allegheny, Pa.
Jos. Henderson, Pittsburgh, Pa.	S. H. Stevens, Pittsburgh, Pa.
Henry Schmidt, Pittsburgh, Pa.	Chas. Schwarm, Pittsburgh, Pa.
F. R. Fleck, Allegheny, Pa.	Fred G. Seitz, Pittsburgh, Pa.
Wm. Schirmer, Pittsburgh, Pa.	G. Eisenbeis, Allegheny, Pa.
D. C. Thompson, Pittsburgh, Pa.	Jas. B. Cherry, Pittsburgh, Pa.
B. J. Stenger, Pittsburgh, Pa.	L. Emanuel, Pittsburgh, Pa.
Jno. T. McKennan, Pittsburgh, Pa.	

Your petitioners further represent that notice of their intention to apply for said charter, has been inserted in the "Pittsburgh Evening Chronicle", and the "Pittsburgh Legal Journal", two newspapers of general circulation, printed

in said County for three weeks, setting forth briefly the character and object of the Corporation, and the intention of your petitioners to make application therefor.

They therefore pray your Honor to peruse and examine said instrument, and if the same should be found to be proper in form, and within the purposes named in the first class specified in the second Section of said Act, and shall appear lawful and not injurious to the Community, that your Honor will be pleased to indorse these facts hereon, and order and decree hereon that the Charter is approved, and they will ever pray, etc.

B. L. Fahnestock	Jos. Abel
D. C. Thompson	Jas. B. Cherry
F. H. Eggers	S. Henry Stevens
Wm. G. Schirmer	Joseph Henderson
Perry M. Gleim	N. McClarran
W. H. Brill	L. Brehm
Alfred J. Rankin	John T. McKennan
Jas. Kerr Jr.	Fred G. Seitz
Chas. Schwarm	Louis Emanuel
B. J. Stenger	F. R. Fleck
Henry Schmidt	G. Eisenbeis

State of Pennsylvania }
 County of Allegheny } SS.

Before me, the Recorder of Deeds, in and for the county aforesaid, personally came Joseph Abel, Newton McClarran, and B. L. Fahnestock, who, in due form of law, acknowledged the foregoing instrument to be their act and deed, for the purposes therein specified.

Witness my hand and seal of office, the 21 day of September, A.D. 1878

R. J. Richardson,
Recorder

State of Pennsylvania }
 County of Allegheny } SS.

Personally appeared before me this 21st day of September, A.D. 1878, Joseph Abel, Newton McClarran, and B. L. Fahnestock, who being duly sworn according to law, depose and say that the statements contained in the foregoing instrument are true; and further more that a notice, of which the following is a copy, was published in the "Pittsburgh Evening Chronicle", and the "Pittsburgh Legal Journal", both newspapers of general circulation, printed in the county of Allegheny, and State of Pennsylvania, to wit

"Notice is hereby given that an application will be made on the 23rd day of September, 1878, at 10 o'clock, A.M., to the Court of Common Pleas No. 1 for the county of Allegheny, under Act of Assembly of the Commonwealth of Pennsylvania, entitled, "An Act to provide for the incorporation and regulation of certain corporations", for the charter of an intended corporation to be called the "Pittsburgh College of Pharmacy", the character and object of which, is the establishment of a college for the cultivation, improvement and dissemination of a Knowledge of Pharmacy and its collateral branches of science, and to giving instruction in the same by public lectures, and for these purposes to have, possess, and enjoy all the rights, benefits and privileges of said Act of Assembly".

Sworn and subscribed to before me this
21st day of September, A.D., 1878

Signed:

Joseph Abel
N. McClarran
B. L. Fahnestock

. Edward J. Donnelly,
Notary Public

And now to wit; September 23rd 1878, the foregoing Instrument, accompanied by proof of publication of notice of the application as required by law—having been, presented to the undersigned, one of the law Judges of the Court of Common Pleas Number "One" of Allegheny County, Pennsylvania, and the said Instrument having been perused and examined by me, and found to be in proper form and within the purposes named in the first class specified in the Second Section of the Act, entitled "An Act to provide for the incorporation and regulation of certain corporations", and the same appearing lawful and not injurious to the Community, it is ordered and decreed that the said Instrument be approved as the Charter of the "Pittsburgh College of Pharmacy", and that upon the recording of the said Charter and this order as required by law, the subscribers thereto, and their associates shall thenceforth be a corporation by the name aforesaid, for the purposes and upon the terms therein stated.

Attest

B. F. Kennedy
Prothonotary

F. H. Collier
*Assistant Judge of Common
Pleas Number One of
Allegheny County*

State of Pennsylvania }
County of Allegheny } SS.

Recorded in the office for the Recording of Deeds etc. in and for said County, on the 23rd day of September A.D., 1878 in Charter, Book 8, Page 64, Witness my hand the seal of said office the day and year aforesaid.

R. J. Richardson
Recorder

June 14, 1904
No. 144 December Term, 1878

15672

35

In the Matter of the incorporation of the Pittsburgh College of Pharmacy. See Record of Charter in Charter Book Vol. 8 Page 64.
Order Correcting omission in former Decree of Incorporation of The Pittsburgh College of Pharmacy.
Brown and Stewart.

IN THE COURT OF COMMON PLEAS NO. ONE, OF ALLEGHENY COUNTY, PA.

In the Matter of the Incorporation }
of the Pittsburgh College of Pharmacy. } No. 144 Dec. Term, 1878.

ORDER CORRECTING OMISSION IN FORMER DECREE OF
Incorporation, of the Pittsburgh College of Pharmacy

And now, to-wit, June 11th, 1904, it appearing to the Court from the petition of the Pittsburgh College of Pharmacy, and the inspection of the record of the decree of incorporation of said College made on the 23rd day of September, 1878, in this case, that by inadvertence or accident, the words "and successors", were omitted from said decree as then made and entered, and the Court being satisfied that it was the intention that said words should have been used in said decree, and that the decree without said words, is not according to the intention and purpose of the Court in the making thereof at the time when the same was entered; now upon consideration of the premises, it is ordered and decreed that the Aforesaid order and decree of September 23rd, 1878, and the records thereof since made, and appearing upon the records of said County, be and the same are hereby now amended so that the words "and successors" be inserted in said decree immediately after the words "and their associates" and immediately before the words "shall thenceforth be a corporation", as and where

said words appear in said decree: and this order or amendment shall take effect as of the date of said original decree, and the recording of this order in the office of the Recorder of Deeds and Mortgages of said County, is hereby authorized.

By the Court.

From the Record,

J. B. Hamilton

Prothonotary.

Commonwealth of Pennsylvania, }
County of Allegheny. } SS

Recorded on this 14th day of June A.D., 1904 in the Recorder's Office of said County in Charter Book, Vol. 35 Page 338. Given under my hand and the Seal of the said office the day and year aforesaid.

J. D. O'Neil, *Recorder*

DOCUMENT E

UNJUST TAXATION OF DRUGGISTS

I notice in your issue of July that at a meeting of the Pennsylvania Pharmaceutical Association, held at Reading last month, Mr. J. H. Stein desired information in regard to the state law requiring druggists to pay a license for the sale of patent medicines, Mr. Lemberger stating that he was obliged to pay a tax of thirty dollars last year, and no doubt all the druggists throughout the country had to pay the same. On motion of Mr. Lemberger a committee was appointed to circulate a petition in the different counties for the repeal of the act.

I would state for the information of my brother druggists that one year ago the assessors taxed the patent medicine manufacturers of this city, one firm's taxes amounting to fifteen hundred dollars. They all combined, making up a pool of some ten or twelve hundred dollars, appealed the case to court, and found that there was no law in existence by which such a tax could be collected, and that the law of 1849 (see Pamphlet Laws of Pa. No. 575) had been repealed, and even if it had not been, the commonwealth could not collect from the apothecary, he being excepted. Besides all this, the law was considered unconstitutional. Yet, in spite of all this, the druggists of this city were taxed \$6.50 each, the minimum amount, the tax grabbers thinking, no doubt, that all would pay so small an amount without opposition, and a great many did. Yet there were many others who felt the injustice, and took steps to test the matter before the courts. Most of us were sued before the various aldermen of the city, who were shown that the law had been repealed twenty

years ago. But they paid no attention to the law, and rendered judgment against us. Our attorney has taken a writ of certiorari, and the matter will be again brought before the courts. The repeal can be found in the Pamphlet Laws of Pa., pages 468 and 469, dated April 22, 1858, and approved by Gov. William F. Packer.

W. H. Brill

Pittsburgh, Pa.
September 1878

THE STAMP DUTY ON PATENT AND OTHER MEDICINES

For many druggists it has often been a troublesome question to decide whether a given article must be stamped or not, and it must be confessed that the law, as interpreted by different revenue officers, has been somewhat confusing and not always free from contradiction.

From an official document published last October, we copy the following summary given for the direction of revenue officers, generally. The law has not been changed but it is construed in a manner more readily intelligible, and in a spirit more liberal than formerly.

We may begin by stating that perfumeries and cosmetic articles are liable to the stamp-tax without conditions or exemptions. Regarding medicines proper the present directions are:

"(1) That all patent and proprietary medicines and medicinal preparations, and all such medicines, etc. for which any proprietary claim is made, real or pretended must be stamped when sold, offered, or exposed for sale.

"(2) That official and standard medicines, etc. prepared according to formulas published in authorized medical bookstore journals, put up and labelled simply with the name of the article and the name of the maker or compounder, are exempt from stamp-tax without the "formula and where found" being printed or referred to in any manner upon such label.

"(3) That official medicines, etc. put up in a style or manner similar to patent or proprietary medicines in general—the same being in retail packages with labels attached stating diseases for which they are remedies, stating the dose, and giving directions for use—are liable to stamp-tax, unless, in addition to such matter as indicated above, there shall be also printed, on the label, the formula and the reference to the standard medical book or journal where such formula is found, or a distinct announcement that the article in question is made or compounded according to a published formula, with a distinct reference to the standard authority where found, in the manner hereinbefore

described. In this latter case such medicines, etc. so put are not liable to stamp-tax.

“(4) Unofficial medicines, or medicines, etc. made, prepared or compounded but not in accordance with formulas published in any standard dispensatory or pharmacopoeia, pharmaceutical journal, etc. are liable to stamp-tax unless the exact formula is printed upon the labels attached to such articles, and unless there is an absence of all claim to any proprietorship in the making or preparing of the same.”

In relation to other articles that are not always used as medicines, the regulations say: “Attention is called to the fact, in illustration of what is said elsewhere, that cod-liver oil is not necessarily and always a medicinal article. It is only within a few years comparatively that the use of this oil in consumption and lung diseases has been recommended by physicians. Previous to that time cod-liver oil was, and even now is largely used for the purposes as fish oils in general. Bitters and plasters are among the articles enumerated as liable to stamp-tax, but bitters are not necessarily and always a medicinal article. The term “bitters” may be only another name for a spirituous liquor, and a plaster may be only a mechanical contrivance or device, or means by which surgeons and physicians protect wounds from gaping or sores from any or all extraneous matter or influences. These articles, and such as these, are not subject to the stamp-tax in the absence of any claim made upon the label, wrapper, hand bill, circular, or in other mode, adopted for advertising the article, that said article is a medicated or a medicinal article, when it is not held out or recommended to the public as a remedy or a specific for any disease, diseases, or affections of the human or animal body.

The Druggists Circular and Chemical Gazette, December 1878, pp. 205-206.

DOCUMENT F

THE PENNSYLVANIA PHARMACY LAW

An Act

To regulate the practice of Pharmacy and sale of Poisons, and to prevent Adulterations in Drugs and Medicinal Preparations in the State of Pennsylvania.—*Approved May 24, 1887.*

WHEREAS, The safety of the public is endangered by want of care in the sale of poisons, whether to be used as such for legitimate purposes or employed as medicines, and dispensed on the prescriptions of physicians:

And whereas, The ability of physicians to overcome disease, depends

greatly on their obtaining good and unadulterated^d drugs and properly prepared medicines:

And whereas, The persons to whom the preparation and sale of drugs, medicines, and poisons properly belong known as apothecaries, chemists, and druggists or pharmacists, should possess a practical knowledge of the business and science of pharmacy in all its relations; therefore,

SECTION 1. *Be it enacted by the Senate and House of Representatives of the Commonwealth of Pennsylvania in General Assembly met, and it is hereby enacted by the authority of the same*, That hereafter no person whatsoever shall open or carry on as manager in the State of Pennsylvania, any retail drug or chemical store, nor engage in the business of compounding or dispensing medicines or prescriptions of physicians or of selling at retail any drugs, chemicals, poisons or medicines without having obtained a certificate of competency and qualification so to do, from the State Pharmaceutical Examining Board, and having been duly registered as herein provided.

SECTION 2. That there shall be established in the State of Pennsylvania, a board to be styled the State Pharmaceutical Examining Board, to consist of five persons, three of whom shall constitute a quorum, who shall be appointed by the Governor from among the most skillful retail apothecaries actually engaged in said business in the State of Pennsylvania, and who must have had ten years practical experience in the same, one to serve five years, one four years, one three years, one two years, and one one year in the first instance, and thereafter annually the Governor shall appoint one person to serve as a member of said Board for the term of five years. The said persons so appointed shall be and constitute the said State Pharmaceutical Examining Board, and shall hold the office for the term for which they were appointed or until their successors are duly appointed and qualified, and shall receive as a compensation for their services five dollars for each day actually engaged in this service, and all legitimate and necessary expenses incurred in attending the meetings of said board under the provisions of this act; and no part of the salary of said board or expenses thereof shall be paid out of the State treasury.

The said Board shall organize by electing one of its members secretary, who, in addition to his compensation as a member of said board shall receive a further sum not to exceed one hundred dollars annually, for his services as secretary.

They, the said board and each of them, shall within ten days after their appointment, or being apprised of the same, take and subscribe an oath or affirmation before a properly qualified officer of the county in which they reside, that they will faithfully and impartially perform the duties of their office.

Any vacancies occurring in said board shall be filled by the Governor of

the State of Pennsylvania from among such only as are eligible for original appointment.

SECTION 3. The said Pharmaceutical Examining Board shall keep a book of registration open at some convenient place, of which due notice shall be given by advertisement in at least four newspapers of the State, and so divided as to reach as nearly as practicable all parts thereof, in which book shall be registered the name and address of each and every person duly qualified under this act to conduct and carry on the retail drug and apothecary business, or to hold the position of qualified assistants therein. And it shall be the duty of all persons now conducting, or who shall hereafter conduct the business of retail apothecaries, or those acting in the capacity of qualified assistants therein, in said State, to apply to said board and be registered as such within ninety days after such notice, and thereafter every three years. Application for registration only may be sent by mail to the secretary of the examining board after being properly attested before a notary public or any other person authorized to administer an oath or affirmation in the county in which the applicant resides.

The form of application shall be subject to such regulations as the board may see proper to adopt, but in no case shall the applicant be put to any unnecessary expense in order to secure registration.

SECTION 4. The said board shall be entitled to demand and receive from each applicant for examination and registration and for the certificate hereinafter provided, a fee not to exceed two dollars, and for registration only, a fee not to exceed one dollar in the first instance, and for renewing the same every three years a fee not to exceed one dollar; and the amount derived from this source shall be held by said board and be applied to the expenses and salaries herein provided and such as may arise under the provisions of this act, and they, the said board, shall report annually to the Governor of the State of Pennsylvania all moneys received and disbursed under the provisions of this act, together with the number of pharmacists registered under this act.

SECTION 5. That it shall be the duty of said board to meet at least once every three months in the city of Harrisburg, or at such other place as they may deem expedient, and examine all persons who shall desire to carry on the business of a retail apothecary, or that of retailing drugs, chemicals, or poisons, or of compounding physicians' prescriptions, touching their competency and qualifications; and they, the said board, or a majority of them, shall grant to such persons as shall be qualified, certificates of competency or qualification, which shall entitle the holders thereof either to conduct or carry on the business, or to act as a qualified assistant therein, as may be expressed upon the said certificate, and such certificate together with its renewals shall be good and sufficient evidence of registration under this act.

All persons applying for examination for certificate to entitle them to conduct and carry on the retail drug or apothecary business, must produce satisfactory evidence of having had not less than four years' practical experience in the business. And those applying for examination for certificates as qualified assistants therein, must produce evidence of having had not less than two years' experience in said business.

SECTION 6. That no person shall hereafter engage as manager in the business of an apothecary or pharmacist, or of retailing drugs, chemicals, and poisons, or of compounding and dispensing the prescriptions of physicians, either directly or indirectly, without having obtained such certificate as aforesaid. But nothing contained in this act shall in any manner whatever interfere with the business of any practitioner of medicine, nor prevent him from administering or supplying to his patients such articles as to him may seem fit and proper, nor shall it interfere with the making and dealing in proprietary remedies popularly called patent medicines, nor prevent storekeepers from dealing in and selling the commonly used medicines and poisons, if such medicines and poisons conform in all respects to the requirements of section nine, provided the provisions of section ten of this act are fully complied with.

Any person who shall violate or fail to comply with the provisions of this section shall be guilty of a misdemeanor and on conviction before any court, shall be punished by a fine not exceeding one hundred dollars, or be imprisoned in the county jail of the proper county, for a term not exceeding one year, or either, or both, at the discretion of the court.

SECTION 7. That the foregoing provisions of this act shall not apply to, or effect any person who shall be engaged in the retail drug or apothecary business, as proprietor of the same, or as qualified assistant therein, at the passage of this act, except only in so far as relates to registration and fees provided in sections three and four of this act.

A qualified assistant engaged in the business at the passage of this act, is one who has had not less than two years' practical experience in the retail drug and apothecary business. All other assistants actually engaged in the business at the passage of this act shall, upon the completion of a like term of two years' experience be entitled to registration as qualified assistants without examination.

SECTION 8. That no person shall be allowed by the proprietor or manager of any store or place where prescriptions are compounded, to compound, or dispense the prescriptions of physicians, except under the immediate supervision of said proprietor or his qualified assistant, unless holding a properly certified certificate or registration or competency from the State Pharmaceutical Examining Board as herein provided, and any person violating the provisions

of this section shall be deemed guilty of a misdemeanor, and, on conviction thereof, shall be punished by a fine not exceeding one hundred dollars.

SECTION 9. That no person shall knowingly, willfully, or fraudulently, falsify, or adulterate, or cause to be falsified or adulterated, any drug or medicinal substance, or any preparation authorized or recognized by the pharmacopoeia of the United States, or used or intended to be used in medicinal practice, nor mix or cause to be mixed with any such drug or medicinal substance any foreign or inert substance whatsoever, for the purpose of destroying or weakening its medicinal power and effect, and willfully, knowingly or fraudulently sell or cause the same to be sold for medicinal purposes.

Any person who shall violate this section shall be deemed guilty of a misdemeanor and upon conviction thereof shall be punished by a fine not exceeding five hundred dollars and shall forfeit to the Commonwealth all articles so adulterated.

SECTION 10. POISONS.—A poison in the meaning of this act shall be any drug, chemical, or preparation which, according to standard works on medicine, or materia medica, is liable to be destructive to adult human life in quantities of sixty grains or less.

No person shall sell at retail any poison, except as herein provided, without affixing to the bottle, box, vessel, or package containing the same, a label, printed or plainly written, containing the name of the article, the word "poison", and the name and place of business of the seller, nor shall he deliver poison to any person without satisfying himself that such poison is to be used for legitimate purposes.

It shall be the further duty of any one selling or dispensing poisons which are known to be destructive to adult human life, in quantities of five grains or less, before delivering them, to enter in a book kept for this purpose, the name of the seller, the name and residence of the buyer, the name of the article, quantity sold or disposed of, and the purpose for which it is said to be intended; which book of registry shall be preserved for at least two years, and shall at all times be open to the inspection of the coroner, or courts of the county in which the same may be kept.

The provisions of this section shall not apply to the dispensing of physicians' prescriptions specifying poisonous articles, nor to the sale to agriculturists of such articles as are commonly used by them as insecticides. Any person failing to comply with the provisions of this section, shall be deemed guilty of a misdemeanor, and upon conviction thereof, shall be punished by a fine not less than five, nor more than fifty dollars for each and every offense.

SECTION 11. Any graduate of any accredited medical college who has had not less than three years continuous practice since the date of his diploma, and

who is registered as a practitioner of medicine, and surgery under the act entitled "An act to provide for the registration of all practitioners of medicine and surgery", approved the eighth day of June, Anno Domini one thousand eight hundred and eighty-one, may be registered under this act without examination, and be granted a certificate which shall entitle him to conduct and carry on the retail drug or apothecary business as proprietor, or manager thereof, subject to fees provided in sections three and four of this act.

SECTION 12. It shall be the duty of the State Pharmaceutical Examining Board to investigate all complaints, and charges of non-compliance, or violation of the provisions of this act, and prosecute all persons so offending, whenever there shall appear to the board reasonable ground for such action.

SECTION 13. That all acts, and parts of acts, so far as they may be in conflict with this are hereby declared void and of no effect.

A SUPPLEMENT

To the Act entitled "An Act to Regulate the Practice of Pharmacy and sale of Poisons, and to prevent Adulterations in Drugs and Medicinal Preparations in the State of Pennsylvania." Approved the twenty-fourth day of May, Anno Domini, one thousand eight hundred and eighty-seven, requiring persons holding certificates of registrations or renewal certificates under the provisions of this act to keep said certificates and renewal certificates in some conspicuous place in their retail drug stores and pharmacies and providing a penalty for the violation thereof.

SECTION 1. Be it enacted by the Senate and House of Representatives of the Commonwealth of Pennsylvania in General Assembly met, and it is hereby enacted by the authority of the same, That hereafter every proprietor, manager and qualified assistant holding a certificate of registration or renewal certificate the provisions of an act entitled, "An act to regulate the practice of pharmacy and sale of poisons and to prevent adulterations in drugs and medicinal preparations in the State of Pennsylvania," approved the twenty-fourth day of May, Anno Domini, one thousand eight hundred and eighty-seven, shall keep his or her certificate of registration and renewal certificate in some conspicuous place in his or her retail drug store or pharmacy or in the retail drug store or pharmacy where he or she may be at the time employed.

And every person who shall violate or fail to comply with the provisions of this section shall for every such offense forfeit and pay the sum of ten dollars (\$10.00), which shall be recoverable with costs by any person suing in the name of the Commonwealth, as debts of like amount are by law recoverable, which sum when so recovered shall be paid to the State Pharmaceutical Examining Board.

Approved June 25th, 1895.

DOCUMENT G
PITTSBURGH COLLEGE OF PHARMACY

Location, Cor. of Market & Water Sts.

The object of this school is to impart to students a thorough Pharmaceutical and Chemical education of the highest standard, and at the same time fit them for passing the examinations of the Board of Pharmacy.

Practical Instruction.—Complete laboratories have been fitted up, for practical work by each student in Pharmacy, Chemistry, Microscopy and Pharmacognosy, thus applying “manual training” as fully as possible to the study of Pharmacy.

Graded Course.—Juniors and Seniors taught separately.

Length of Term.—The College session begins the first of October, and closes the last day of March, with a Christmas vacation.

Send for announcement, giving particulars.

Address: Dean,

Julius A. Koch, PH.G.,
Pittsburgh, Pa.

FACULTY

JULIUS A. KOCH, PH.G.,
Professor of Pharmacy.

HUGO BLANCK, PH.D.,
Professor of Chemistry.

ADOLPH KOENIG, M.D.,
Professor of Materia Medica and Botany.

Dean of the College,

JULIUS A. KOCH, PH.G.

ROSTER FOR SESSION OF 1891-92

Time	Monday Junior	Tuesday Senior	Wednesday Junior
1:30-2:30	Botany	Pharmacy	Botany
2:30-3:30	Chemistry	Chemistry	Pharmacy
Time	Thursday Senior	Friday Senior	Saturday Junior
1:30-2:30	Materia Medica	Materia Medica	Chemistry
2:30-3:30	Pharmacy	Chemistry	Pharmacy

DOCUMENT H

LIST OF SUBSCRIBERS TO THE BUILDING FUND, OF
THE PITTSBURGH COLLEGE OF PHARMACY

June 1, 1895

- E. A. Schaefer, 388 Fifth ave.,* \$1,000
Louis Emanuel, 177 Second ave., \$1,000
J. A. Koch, Market and Water sts., \$1,000
A. C. Robertson, Wood st. and First ave., \$1,000
W. G. Schirmer, 431 Market st., \$1,000
Theo. E. Ihrig, 3610 Fifth ave., \$1,000
F. A. Dittler, 817 Bluff st., \$1,000
Will S. Jones, 1011 Liberty st., \$1,000
Jos. F. Neeley, 400 Rebecca st., A., \$1,000
Charles Eble, 6009 Penn ave., \$1,000
Jos. Fleming & Son, 412 Market st., \$1,000
James E. White, McKeesport, Pa., \$500
John Beck, 127 Wylie ave., \$500
A. H. Poth, Twelfth and Carson sts., \$500
E. C. Steifel, 59 Fulton st., \$500
H. M. Thompson, 2272 Second ave., \$200
Hewitt & Jamison, Wylie ave. & Fulton st., \$500
Phillip Anthes, 23 Fourth ave., \$500
F. T. Aschman, 86 Water st., \$500
Adolph Koenig, 33 Ninth st., \$500
Louis Brehm, 624 Smithfield st., \$200
Geo. L. Bimber, 2513 Carson st., \$200
Adolph Beck, S. Twelfth & Diamond sts., \$200
Henry Finklepearl, M.D., 2107 Penn ave., \$200
E. F. Bautz, 2307 Salisbury st., \$200
Samuel Hawthorn, 1217 Grandview ave., \$200
Max C. Linn, 5201 Butler st., \$200
R. M. Sterrett, 6130 Penn ave., \$200
Otto F. Freebing, 231 Frankstown ave., \$200
Rankin & Hughes, 5100 Penn ave., \$200
Louis Rubenstein, 319 Fifth ave., \$500
W. S. Hixenbaugh, 65 Rebecca st., A., \$200
Geo. W. Kutscher, Braddock, Pa., \$200

*Following the style of the original document all street and avenue abbreviations are shown without capital letters.

- W. C. Knorr, Braddock, Pa., \$200
 I. J. Moyer, 289 Fifth ave., \$200
 J. P. Urben & Son, Fulton & Locust sts., A., \$200
 Wm. Dice, 353 Beaver ave., A., \$200
 B. P. Burgan, Jr., Carnegie, Pa., \$200
 John Beuter, Beaver Falls, Pa., \$100
 William Paff, Beaver Falls, Pa., \$100
 Sam. R. Dunlap, Beaver Falls, Pa., \$100
 H. W. Mackey, Beaver Falls, Pa., \$100
 E. E. Miller & Son, Beaver Falls, Pa., \$100
 Whit A. Eckles, Beaver Falls, Pa., \$100
 John F. Murphy, 2 Carson st., \$100
 W. B. Chambers, 925 Carson st., \$100
 Glenn K. Faull, 206 Fifth ave., \$100
 D. Haering, 115 Juniata st., A., \$100
 Christ E. Strunz, Shiloh & Sycamore sts., \$500
 H. D. Kramer, 1223 Grandview ave., \$100
 Ed. J. Montgomery, 192 S. Main st., \$100
 James E. Shaner, Main & Wabash sts., W.E., \$100
 W. S. Beach, Fifth ave. & Moultrie st., \$100
 J. R. McCreary, 559 Homewood ave., \$100
 Clutton Bros., New Castle, Pa., \$100
 James C. Hutton, New Castle, Pa., \$100
 Scott Paisley, New Castle, Pa., \$100
 J. C. Wallace, New Castle, Pa., \$100
 Perry A. Bell, Wylie ave. and Junilla st., \$100
 John Brittain, 196 Beaver ave., A., \$100
 A. H. Sauer, East and Royal sts., A., \$100
 Alpheus Armor, Taylor ave. and Monterey st., A., \$100
 N. Stokeley, 147 Wylie ave., \$100
 D. C. Yellig, Mgr., 600 Liberty st., \$100
 L. A. Krey, Arch and Ohio sts., A., \$100
 W. C. Martin, Homestead, Pa., \$100
 Chas. E. McCloskey, 123 Ohio st., A., \$100
 P. C. Schilling & Co., 2801 Penn ave., \$100
 Louis Steitz, 157 Pennsylvania ave., \$100
 D. A. Vanasdale, 81 Taggart st., A., \$100
 Geo. P. Reed, 321 Larimer ave., \$100
 James H. Craig, Perrysville and Wilson aves., A., \$100
 Amanda Koch, 28 Arlington ave., \$100
 Bertha Koch, 28 Arlington ave., \$100

- Emma Koch, 28 Arlington ave., \$100
Frank D. Troth, 45 Amanda ave., \$100
John H. Wagner, 1701 Penn ave., \$100
Mrs. D. J. Munsch, Bellevue, Pa., \$100
R. S. Magini, Braddock, Pa., \$100
J. M. Hollander, Braddock, Pa., \$100
A. H. Parker, Braddock, Pa., \$100
J. M. Dodds, Braddock, Pa., \$100
Joseph W. Kinney, Braddock, Pa., \$100
C. A. Givens, McKees Rocks, Pa., \$100
D. Z. Musselman, Braddock, Pa., \$100
E. F. Rouse, Homestead, Pa., \$100
S. E. McLarran, Sewickley, Pa., \$100
J. R. L. Brown, 161 Fifth ave., \$100
Ernest H. Melvin, 161 Fifth ave., \$100
W. D. Kearns, M.D., 858 Penn ave., \$100
J. K. Swearer, 289 Western ave., A., \$100
A. L. Rouse, Munhall, Pa., \$100
John Paules, 315 Smithfield st., \$100
Chas. Hull, 315 Smithfield st., \$100
Harry Mosbaugh, 35 James st., A., \$100
E. E. Heck, 72 Federal st., A., \$100
Geo. P. Goettman, 34 Diamond st., \$100
Geo. Hardy, Carnegie, Pa., \$100
A. Glamsner, 234 Ohio st., A., \$100
Robt. J. Hardy, Carnegie, Pa., \$100
A. J. Weinsinger, Carnegie, Pa., \$100
Otto A. Schad, 234 Ohio st., A., \$100
W. J. Morris, McClure & Woods Run aves., A., \$100
W. F. Herman, 1926 Carson st., \$200
Mrs. W. F. Herman, 1926 Carson st., \$200
Henry L. Lohmeyer, 1902 Carson st., \$100
L. C. Castner, 6109 Penn ave., \$100
J. G. Goehring, West Newton, Pa., \$100
R. W. Mackenzie, 819 Penn ave., \$100
Geo. W. Strott, 901 Penn ave., \$100
P. A. McCullough, 1300 Penn ave., \$100
T. W. D. Heiber, 1251 Penn ave., \$100
G. W. Schmidt, 1801 Penn ave., \$100
Fred. Bruckmann, 211 Brushton ave., \$100
Chas. B. Long, 400 Rebecca st., A., \$100

- W. J. Innes, 355 Fifth ave., \$100
R. McNalley, Thirty-third & Madison sts., \$100
Jos. H. Barth, 422 Thirty-third st., \$100
John Reiher, 3343 Penn ave., \$100
M. J. Gross, 459 Fifth ave., McKeesport, Pa., \$100
B. E. Pritchard, McKeesport, Pa., \$100
John B. Edie, McKeesport, Pa., \$100
S. E. Carothers, McKeesport, Pa., \$100
M. L. Kelly, McKeesport, Pa., \$100
H. B. Johnson, New Brighton, Pa., \$100
W. J. Cunningham, Beaver Falls, Pa., \$100
C. L. Kurtz, Beaver Falls, Pa., \$100
H. L. Umstead, Rochester, Pa., \$200
J. S. Lytle, Canonsburg, Pa., \$100
E. F. Stephens, Washington, Pa., \$100
H. S. Blachly, Waynesburg, Pa., \$100
D. Fred Robinson, Brownsville, Pa., \$100
L. L. Schwartz, Brownsville, Pa., \$100
W. L. Stewart & Co., Wilmerding, Pa., \$100
W. L. Baker, California, Pa., \$100
Chas. J. Stewart, California, Pa., \$100
W. H. Lange, Belle Vernon, Pa., \$100
Chas. W. Brown, Belle Vernon, Pa., \$100
D. T. Henderson, 50 Seventh ave., \$500
F. M. Metz, Etna, Pa., \$100
F. A. Cooper, Parnassus, Pa., \$100
Chas. Reinhard, Verona, Pa., \$100
Wm. M. Calhoun, Verona, Pa., \$200
D. A. Leslie, New Kensington, Pa., \$100
D. B. Kahle, New Kensington, Pa., \$100
Jacob Spohn, 58 Shiloh st., Pgh., \$100
John A. Frank, Turtle Creek, Pa., \$100
Alfred Turtle, Crafton, Pa., \$100
W. Grant Young, Sheridanville, Pa., \$100
T. S. Lewis, Oakmont, Pa., \$100
Rome B. Cooll, Ingram, Pa. (mail Crafton), \$100
J. C. Davis, Oakdale, Pa., \$100
S. B. McLaughlin, Oakdale, Pa., \$100
C. B. Buchheit, McDonald, Pa., \$200
Geo. H. Miller, McDonald, Pa., \$100
R. F. Rankin, Midway, Pa., \$100

- P. L. Bannen, Verona, Pa., \$100
E. N. Gillespie, Freeport, Pa., \$500
C. A. Rogers, Freeport, Pa., \$100
E. R. Goldsmith, Tarentum, Pa.
A. W. Heerlein, Tarentum, Pa., \$100
Thomas Norman, Jr., Hites, Pa., \$100
R. A. Caldwell, Springdale, Pa., \$100
B. P. Welsh, Allegheny, Pa., \$100
W. J. Stoner, Leechburg, Pa., \$500
J. V. Wilhelm, Homestead, Pa., \$100
Jos. H. Bott, Homestead, Pa., \$100
Chas. A. Lewis, Duquesne, Pa., \$200
J. H. Evans, Duquesne, Pa., \$100
Cyrus Edmumds, Braddock, Pa., \$100
John E. Sheaffer, Homestead, Pa., \$100
Albert F. Judd, Beaver, Pa., \$100
W. E. McCurdy, Burgettstown, Pa., \$100
Frank A. Pentz, Monongahela City, Pa., \$100
Geo. H. Anderson, Monongahela City, Pa., \$100
Jas. C. Douglass, Monongahela City, Pa., \$100
Chas. W. Kahl, McKeesport, Pa., \$100
Hunter & Cyphers, Turtle Creek, Pa., \$100
H. F. Thomas, Greensburg, Pa., \$100
John V. Stephenson, Greensburg, Pa., \$100
S. P. Brown, Greensburg, Pa., \$100
Sam. Hays, Greensburg, Pa., \$100
S. Logan Walthour, Greensburg, Pa., \$100
Ulrich Altenburger, Twelfth and Carson sts., \$100
B. J. Stenger, 1601 Carson st., \$100
William Low, Dyke st., \$100
William H. Forst, 1913 Sarah st., \$100
Theo. Cappel, 3704 Forbes st., \$200
O. B. Shaff, Irwin, Pa., \$100
J. C. Jamison, Irwin, Pa., \$100
Edward Gress, Pitcairn, Pa., \$100
T. J. Frank, 227 Federal st., A., \$100
B. Wechsler, 319 Fifth ave., \$100
L. N. Nemon, Sewickley, Pa., \$100
P. P. Knapp, Sewickley, Pa., \$100
F. C. Bittner, 706 Fifth ave., \$100
W. J. McAdams, 706 Fifth ave., \$100

Wm. Rubenstein, 319 Fifth ave., \$500
 Elmer E. Goodlin, Saltsburg, Pa., \$100
 John J. Walker, Greensburg, Pa., \$100
 Jas. B. Slater, Johnstown, Pa., \$100
 L. D. Shrimplin, Bennett, Pa., \$100
 S. S. Holland, Pittsburgh, Pa., \$100
 J. F. Moersch, 212 Market st., \$100
 L. C. Shoemaker, 212 Market st., \$100
 J. B. Porter, 2176 Wylie ave., \$100
 Fred. K. Porter, 19 Frankstown ave., E.E., \$100
 F. R. Graham, Canonsburg, Pa., \$200
 Wm. S. Erskin, 28 Anderson st., A., \$100
 Jos. S. White, 291 Wylie ave., \$100
 Louis H. Vogel, 1801 Webster ave., \$100
 Edward J. W. Kretz, 1923 Webster ave., \$100
 W. W. Ritz, 59 Wylie ave., \$100
 John Crispens, 4600 Liberty ave., \$100
 Robt. T. Ross, 300 Frankstown ave., \$100
 W. L. Bohnen, 150 Caldwell st., \$100
 H. G. Clark, 2136 Fifth ave., \$100
 Elmer E. Kribby, 5213 Fifth ave., \$100
 Geo. H. Brady, 5213 Fifth ave., \$100
 Jos. Calabrese, 32 Webster ave., \$100
 D. S. Blackburn, 5140 Liberty ave., \$100
 V. Wm. M. White, Wylie ave. and Roberts st., \$100
 H. B. Schweitzer, 233 Centre ave., \$100
 H. A. Miller, 805 Carson st., \$200

DOCUMENT I

AGREEMENT BETWEEN WESTERN UNIVERSITY OF PENNSYLVANIA AND THE PITTSBURGH COLLEGE OF PHARMACY

April 16, 1896

Memorandum of an agreement between the Western University of Pennsylvania, and The Pittsburgh College of Pharmacy, made and entered into this sixteenth day of April A.D. 1896.

It is hereby mutually agreed as between the Western University of Pennsylvania, party of the first part, and The Pittsburgh College of Pharmacy, party of the second part, That the said party of the first part will through the Chan-

cellor confer upon students who shall have pursued a regular course of study in The Pittsburgh College of Pharmacy and who shall have successfully passed their examinations therein, appropriate degrees; and does further recognize the said Pittsburgh College of Pharmacy as a department of instruction in said University and does accord to the members of its Faculty a place in the general Faculty of the University, and in the advertisement and general catalogue of the University, will recognize The Pittsburgh College of Pharmacy as a department of said University, and does engage to respect and keep inviolate the provisions of the charter and by-laws of said College of Pharmacy.

And it is further agreed by said party of the first part that it will accord to said party of the second part of a representation on its Board of Trustees, in the person of one member of the Board of Trustees of The Pittsburgh College of Pharmacy, who shall be nominated and elected as a member of the Board of Trustees of said University as soon as a vacancy may occur in said Board of Trustees after the signing and delivering of this article of agreement, and to whom a successor shall from time to time be chosen to represent the interests of said College of Pharmacy, provided, however, that such representative on the Board of Trustees shall not be at any time a member of the Faculty of teaching force of said College of Pharmacy.

In consideration of this exercise of lawful power and the covenants herein before recited, The Pittsburgh College of Pharmacy party of the second part, does bind itself and all and singular its Trustees, Officers, and Faculty, to observe and keep inviolate the laws of said University, and to meet, without calling upon the Trustees of the University for financial assistance from any of the funds of the said University whatever, all the financial obligations which may be incurred by them in the maintenance of said College of Pharmacy: and further obligate themselves to submit the curriculum to be followed by the students in said College to the Trustees of the University for their approval, and engage themselves to submit all elections which may hereafter be made to chairs or instructorships in said College of Pharmacy to the Trustees for their final approval, according to the Trustees the right to negative any election made by the Faculty or Trustees of the College of Pharmacy to a position of professor or instructor in the College of Pharmacy; and it further agreed by said party of the second part that they will bear a proportionate share of the expenses of publishing the general catalogue of the University, and all cost of the preparation of all diplomas and other necessary expenses connected with the instruction and graduation of students committed to their care; and it is further agreed that in all their circulars, tickets, and advertisements they will recognize themselves as the Pharmaceutical Department of the Western University of Pennsylvania; and that they will accord to the Trustees of the Western University of Pennsylvania a representation upon their Board in the per-

son of the Chancellor, or of some other member of the Board of Trustees of the University, and that they will at all times recognize the Chancellor of said University as the titular head of the Faculty of said College of Pharmacy.

It is further mutually agreed between said parties of the first and second parts that all the income of said College of Pharmacy whether derived from tuition or otherwise shall be kept inviolably as the funds of said College of Pharmacy to be used solely for said College of Pharmacy, and not to be applied to the use of any other department of instruction connected with said University, unless hereafter it should be deemed advisable by said party of the second part to seek an amalgamation and consolidation with some other department of allied instruction in said University, at which time in order to effect such amalgamation and consolidation, it shall require the consent of The Pittsburgh College of Pharmacy legally given under the provisions of its charter and the laws of the Commonwealth of Pennsylvania.

It is further agreed that said party of the second part will annually submit to the Board of Trustees of said University at their annual meeting in June a report of their operations during the previous year, including a statement of their receipts and expenditures, that the same may be incorporated in the general records of the University and returned to the department of Public Instruction in the State of Pennsylvania and to the commissioner of Education of the United States by the Chancellor;

This contract may be revoked or annulled by corporate action of either party on six months written notice of the same to the other party.

In testimony whereof said parties have caused these presents to be signed by the President of the Board of Trustees on behalf of said University, and by the President of said College on behalf of said College of Pharmacy and the corporate seals of said respective Corporations to be here-to affixed, and attested by their respective secretaries,

s/ John Crocker White, D.D.
President, Board of Trustees
Western University of Pennsylvania

Attest:

s/ D. H. Wallace
Sec. Pro-Tem, Board of Trustees
Western University of Pennsylvania

Seal W. U. P.

s/ A. C. Robertson
President, Pittsburgh College of Pharmacy

Attest:

s/ George W. Kutscher
Sec., Pittsburgh College of Pharmacy

Seal Pgh. Col. Pharmacy

EXTRACTS FROM MINUTES OF EXECUTIVE
COMMITTEE MEETING HELD ON MAY, 1914

RESOLVED: That all graduates of the Pittsburgh School of Pharmacy having graduated before April 16, 1896, who are recommended by the Dean and the Trustees of the School of Pharmacy, are hereby declared to be alumni of the University of Pittsburgh, with the standing and privileges as graduates of the School of Pharmacy after April 16, 1896, the date at which the School of Pharmacy became affiliated with the University of Pittsburgh.

DOCUMENT J

SOME SUGGESTIONS TOWARD THE
PHARMACOPOEIA OF 1900

The coming revision of the United States Pharmacopoeia, the time for which is rapidly approaching, is receiving more than the usual amount of attention at the hands of physicians and pharmacists generally. The shortcomings of the work are being brought to our attention, while suggestions for its improvement promise well for the Pharmacopoeia of 1900.

The Pharmacopoeial Convention of 1900 will have many trying and difficult questions to decide. The fact that the Pharmacopoeia is so little used by physicians, thus limiting its usefulness, will undoubtedly be brought very forcibly to the attention of the convention and many suggestions for radical changes have already been made with the idea of popularizing it among physicians.

The Pharmacopoeia, in order to be useful to physicians, should state the doses and uses of the drugs and preparations which it contains. The minute descriptions of the drug and the long list of tests for impurities, identity or strength, or the exact formulas for making preparations, all of which tend to make the book so valuable for the pharmacist are of no interest to the physician.

Our Pharmacopoeia is no doubt the best book in the world for pharmacists, but as a book for physicians, it is defective in many ways.

To add those things which would make it a useful book of reference to the physician is hardly practicable, and will probably never be sanctioned by the convention. Even should such addition be sanctioned, it would add too much to the bulk of the book, causing inconvenience in its use to both physician and pharmacist. Such an increase in size, and incidentally in price, would likely lessen rather than increase its popularity. But why should not the revision committee be authorized to publish two Pharmacopoeias, or rather one Pharmacopoeia, and a commentary on the same, containing the uses, doses and such

descriptive matter as would be of especial interest to the physician, eliminating from the latter all matter which is of interest only to those who make and prepare medicines?

The publication of a large number of commentaries on the United States Pharmacopoeia might be held to be an objection to the publication of another by the committee of revision; but such objection would hardly be well taken, as such publications only emphasize the need of an authoritative work such as suggested.

As physicians in the past have shown little interest in the Pharmacopoeia, would it not be well to so adapt it to their needs so that it would prove indispensable to them? There are many valuable drugs and preparations in the official list that are practically unknown to physicians and an official commentary bearing specially on nomenclature, dosage and therapeutics, should commend itself to all and do much toward lessening the use of proprietary medicines.

s/ J. A. Koch

DOCUMENT K

AGREEMENT

Memorandum of AGREEMENT, between The Pittsburgh College of Pharmacy and the Pittsburgh Dental College, made and entered into the 28th day of January 1905.

WHEREAS, each of the parties hereto is a corporation, incorporated and existing, as a corporation not for profit, under the laws of the State of Pennsylvania; and said Colleges are both affiliated with the Western University of Pennsylvania, and are thus associated together, under the common headship of said University, as the Department of Pharmacy and Dentistry, respectively, of said University:

AND WHEREAS, said College of Pharmacy is the owner of a large building, at the corner of Bluff and Pride Streets, in the City of Pittsburgh, Allegheny County, Pennsylvania, in which it now conducts its work; and said building is well adapted for the joint and common use of said two Colleges; and it is desirable that said two Colleges for the sake of economy and convenience in the operation and administration thereof, should join in the use and occupation of said building.

NOW THEREFORE IT IS AGREED between the said parties, The Pittsburgh College of Pharmacy, and the Pittsburgh Dental College, that; they shall and will, unite and join in the use and occupation, and in the cost and expense of the maintenance of said building, which is owned by said College of Pharmacy, upon the terms and conditions herein set forth and specified, to-wit:

1. Said joint and common use and occupation shall begin on the first day

of April 1905, and shall continue for a period of ten (10) years from the first day of July 1905, unless this contract is sooner annulled, according to the provisions hereinafter set forth.

2. The College of Pharmacy shall have the exclusive use of the following described rooms and apartments in said building, viz:

The lecture room on the third floor of the recent addition to said building, (which is hereafter mentioned as the "new building"):

The front half of the large room on the first floor of the "old" building; to be used as a students' study room;

The large room on the third floor of the Old building now used as a Pharmaceutical laboratory;

The small room on the same floor used as a research laboratory;

The small room on the first floor of the old building to be used as a supply room.

3. The Dental College shall have the exclusive use of the following described rooms and apartments, viz:

The two rooms on the first floor of "New" building, to be used as a Dental infirmary;

The large room on the fourth floor of the New Building (now known as lecture room No. 1) to be used as a prosthetic laboratory;

The entire fourth floor of the "old" building, to be used for a lecture room and plaster room;

The rear half of the large room on the first floor of the Old building, to be used as a students' study room;

The small stock or supply room in the southeast corner of the Chemical laboratory.

4. The two Colleges shall jointly use and occupy, with equal rights and privileges therein, except as specified, the following described rooms and apartments:

The large amphitheater on the Second floor of the New building, to be used by the Dental College only in the forenoons of the first five days of the week;

The small room adjoining the amphitheater on the second floor of the New building, to be used as a lecture supply room;

The small room on the fourth floor of the New building, to be used as a technic and microscopic laboratory;

The chemical laboratory on the second floor of the old building, to be used as chemical laboratory in the mornings by College of Pharmacy, and in afternoons by Dental College;

The Ladies' study room on the second floor of the old building;

All the halls and toilet rooms;

The office in the new building; in which the Dental College shall have desk room.

The use of said rooms and building shall be subject to the rules and regulations made, and hereafter to be made, by the College of Pharmacy.

(1) The amphitheater shall be used by the Dental College at such times as may be mutually agreed upon by the deans of the respective Colleges, but only during the forenoons of the first five days of the week.

In case the deans are unable to agree upon such times, the matter shall be referred to a third person chosen by the two deans, and his decision in the matter shall be final and binding upon both parties.

(2) The Dental College shall cause its students to conduct themselves in a quiet and orderly manner, while in or about any portion of said building or premises, and in accordance with the rules of the College of Pharmacy, as prescribed for the government of students of Pharmacy; and shall pay for all damage or injury to the building or furniture caused by its students, agents or employees.

(3) The Dental College shall keep a Professor, Assistant or Instructor at all times in every lecture room or laboratory while such room or laboratory is occupied by students, and such rooms are to be kept closed and locked at all times when no professor, assistant or instructor is present.

5. The Dental College will not make any alterations in any part of said building without the consent of said College of Pharmacy; and will pay the entire expense of all such alterations and changes as it may make in said building or any part thereof, and for all additional gas and water fixtures, piping or plumbing which it shall desire.

6. The Dental College agrees not to maintain, or permit to be maintained, any dissecting room upon said premises.

7. All signs advertising the Dental College, upon the premises, shall be of such size and character, and shall be located in such places as the College of Pharmacy shall determine.

8. With the exceptions hereinafter provided the College of Pharmacy shall pay all the expenses of maintenance of said building, including the interest on the mortgage on said property, heat, light and water used in said building, insurance, janitor's services, and repairs to keep the building in as good condition as it now is.

The *Exceptions* to the above stipulation are, that the Dental College shall pay for all gas used for other purposes than illuminating, in its soldering room and prosthetic and technic laboratories, for which it shall put in a separate meter; and if said Dental College desires to use electric current, for lighting or other purposes, it shall provide, at its own expense, the wiring and attachments therefore (which shall conform to the rules of the Board of

Underwriters), and shall pay for all electric current so used by it: and said Dental College shall employ and keep a competent person for the care and cleaning of the rooms exclusively used by it, and to assist in the care and cleaning of the other parts of said building; but such person shall be acceptable to the College of Pharmacy and shall at all times be subject to the directions of the Janitor of the building employed, as aforesaid, by the College of Pharmacy.

9. In addition to the special expenses assumed by it, as above mentioned, the Dental College shall pay to the College of Pharmacy, toward the general expense of maintenance of said building, for the first three (3) years of the term of this contract, the sum of three thousand dollars (\$3000) per year; for the second three years (3) the sum of three thousand five hundred dollars (\$3500) per year; and for the remaining four (4) years, the sum of four thousand dollars (\$4000) per year, which sums shall be divided into equal quarterly payments, and shall be payable on the first days of April, July, October, and January in each and every year.

10. The Dental College shall be entitled to have possession of said apartments and rights in said building on the first day of April, 1905. This contract shall continue and remain in force for the ten (10) years from the first day of July 1905, except that it may be annulled or rescinded at any time by the mutual consent of the parties, and, at the end of the third year or at the end of the sixth year, but not during the intervening years, it may be annulled or rescinded at the option of either party, upon giving to the other notice in writing of such intention to annul or rescind, three (3) months prior to the end of such year.

11. In case there shall arise disputes at any time between the parties to this contract, as to the interpretation of any of the provisions thereof, or as to the damages growing out of any violation thereof, or any other dispute growing out of this contract, said disputed questions shall be referred to a Board of arbitration, to be selected as follows: one member of said Board shall be selected by the Dental College, one member by the College of Pharmacy, and the two thus chosen shall select a third member, and the decision of such arbitrators shall be final and binding upon both parties.

This agreement is executed in duplicate.

IN TESTIMONY WHEREOF the said parties have, respectively, caused to be affixed hereto their common and corporate seals, by the hands of their presidents, and attested by the signatures of their secretaries, at Pittsburgh, in said County and State, this 28th day of January 1905.

Seal of College of Pharmacy

Attest: H. L. Lohmeyer

Secretary

The Pittsburgh College of Pharmacy
By s/ Louis Emanuel, *President*
The Pittsburgh Dental College
By s/ Clement R. Jones, *President*

S. L. McCurdy
Secretary

DOCUMENT L

SCIO COLLEGE OF PHARMACY

Letter Sent to All Alumni Not On the Board of Trustees

Scio, Ohio

June 18, 1908

Dear Sir:

After a careful consideration of the present tendencies and needs in pharmaceutical education, it has been decided to consolidate the Scio College of Pharmacy with The Pittsburgh College of Pharmacy, and to conduct the new institution at Pittsburgh.

The present students of Scio will be admitted to The Pittsburgh College of Pharmacy without any increase in tuition.

The alumni of the Scio College of Pharmacy will be adopted as alumni of The Pittsburgh College of Pharmacy and, upon application, will receive a diploma setting forth that fact.

It is needless to say that the new institution, combining as it will the resources and equipment of the two institutions, will become almost at once the largest and strongest College of Pharmacy in the country, and as such will be able to accomplish more for the cause of pharmaceutical education than either institution could hope to accomplish separately.

As an alumnus of Scio, you will be welcomed at Pittsburgh, and will be made to feel that you are among friends.

Trusting that this action will meet your hearty approval, and that you will give to the greater institution the same hearty and loyal support that you have in the past given to Scio, and with kind regards, I remain,

Very truly yours,

s/ J. H. Beal

Letter Mailed to Junior Class June 17-18, '08

Scio, Ohio,

June 17, 1902.

Dear Sir:

After a careful consideration of both the future and the past of the Scio College of Pharmacy, it has been decided to consolidate with The Pittsburgh

College of Pharmacy and to conduct the two institutions as one in the city of Pittsburgh.

The present Junior students of Scio will be accepted as Seniors by The Pittsburgh College of Pharmacy, but *without any increase of tuition* while all alumni of the Scio College of Pharmacy will be adopted as alumni of The Pittsburgh College of Pharmacy and will, upon application, receive a diploma setting forth that fact.

The new institution with the combined resources and equipments of the two Colleges will naturally be very much stronger and better equipped than either institution could ever hope to become separately, while the city of Pittsburgh with its Libraries, Museums, Botanical Gardens and large number of modern retail pharmacies, will afford opportunities for study and experience which would not be possible in a small town.

For such Juniors as desire it, positions will be secured in Pittsburgh drug stores, which will not only give them the opportunity of obtaining city experience, but will enable them to earn sufficient money to pay their expenses during the Senior Year. A list of suitable rooms and boarding places will be kept at the office of the Pittsburgh College, and assistance will be given in securing comfortable and inexpensive quarters. The faculty of The Pittsburgh College will do everything possible to make your Senior Year both pleasant and profitable.

Hoping to have the pleasure of greeting you at the opening of the Fall Term at Pittsburgh, and with kind regards, I remain,

Very truly yours,

s/ J. H. Beal

At the last meeting of the Board of Directors of The Pittsburgh College of Pharmacy the consolidation of The Pittsburgh College of Pharmacy with the Scio College of Pharmacy, was approved and by formal vote the Alumni of the Scio College of Pharmacy were adopted as Alumni of The Pittsburgh College of Pharmacy. The undersigned was directed to have prepared a suitable diploma setting forth this fact and to furnish the same at a nominal fee upon application to all Alumni of the Scio College of Pharmacy.

These diplomas will be ready shortly and will be sent to all applicants entitled to the same upon receipt of one dollar to cover cost.

As an Alumnus of The Pittsburgh College of Pharmacy, I wish to extend to you a most hearty welcome to our body and trust that we may have the pleasure of greeting you personally at the next meeting to be held in the fall.

It is firmly believed that the consolidation of our respective schools into

one, necessarily so much stronger and better, will lead to the lasting benefits of pharmaceutical education and will be productive of an institution of which we shall all have occasion to feel justly proud.

Trusting that the greater institution will have your hearty support, I remain, with kindest fraternal greetings.

Yours very truly,

s/ J. A. Koch, *Dean*

DOCUMENT M

RESOLUTION OF THE BOARD OF TRUSTEES IN BEHALF OF THE WESTERN PENNSYLVANIA RETAIL DRUGGISTS ASSOCIATION, INC.

November 2, 1909

At this meeting of the Board of Trustees, Dr. Julius Koch moved the adoption of the following preamble and resolution and was supported by Dr. James H. Beal:

"WHEREAS: The Western Pennsylvania Retail Druggists' Association, Inc., has been in active and continuous operation since 1898 and was duly incorporated under the laws of the state of Pennsylvania in 1899, and

"WHEREAS: The membership of the Western Pennsylvania Retail Druggists Association, Inc., is composed entirely and solely of retail druggists actually engaged in the practice of pharmacy, and, therefore, keenly alive to the importance of the work of the United States Pharmacopoeial Convention, therefore be it

"RESOLVED: That the Board of Directors of The Pittsburgh College of Pharmacy recommend to the Board of Trustees of the United States Pharmacopoeial Convention the consideration of such a change in the Constitution and By-Laws of said convention as will permit the admission of delegates from incorporated pharmaceutical societies similar to the Western Pennsylvania Retail Druggists Association, Inc."

This motion was adopted. The secretary was instructed to forward a copy of this action to the secretary of the Trustees of the United States Pharmacopoeial Convention and the Board of Trustees of that corporation. It was presented to the Board of Trustees of the United States Pharmacopoeial Convention on November 26-27, 1909 and was held over until the meeting of January 1910 at which time it did not receive favorable consideration.

DOCUMENT N^o

LETTERS IN FAVOR OF THE EDMONDS BILL HAVING
FOR ITS OBJECT THE SECURING OF AN
"ARMY PHARMACEUTICAL CORPS"

HOUSE OF REPRESENTATIVES, U. S.
WASHINGTON, D. C.

M. Clyde Kelly
30th Dist. Pa.

December 6, 1917.

Mr. B. E. Pritchard,
Pittsburgh College of Pharmacy,
Pittsburgh, Pa.

Dear Friend Pritchard:

I am in receipt of yours of December 4.

I am strongly in favor of the Edmonds bill, and in fact have been urging the War Department to take such action without legislative enactment. I intend to do everything possible to secure the passage of this measure.

Assuring you that it is a pleasure to do this service for you, and with every good wish, I am

Yours,

s/ M. Clyde Kelly

HOUSE OF REPRESENTATIVES, U. S.
WASHINGTON, D. C.

Guy E. Campbell
32d Dist. Pennsylvania

Committees:

Labor

Immigration

Patents

Enrolled Bills

December 7th, 1917.

Mr. B. E. Pritchard,
Secretary, Pittsburgh College of Pharmacy,
Pittsburgh, Pa.

My dear Mr. Pritchard:

I have for acknowledgment your favor of the 4th instant, calling my attention to a proposed bill to be introduced by Hon. G. W. Edmonds, having

for its object the securing of an "Army Pharmaceutical Corps." I shall be glad to support this bill when it comes up for consideration.

Very sincerely,

s/ Guy E. Campbell

COMMITTEE ON MINES AND MINING
HOUSE OF REPRESENTATIVES
WASHINGTON, D. C.

Dec. 7th, 1917.

Mr. B. E. Pritchard,
University of Pittsburgh,
Pittsburgh, Penna.

My dear Sir:

I have before me your letter of the 4th requesting my support of the Bill providing for an "Army Pharmaceutical Corps" and assure you I will give my consideration of this bill when it comes before the House for decision.

Sincerely yours,

s/ M. M. Garland

Stephen G. Porter
29th Dist. Pennsylvania

HOUSE OF REPRESENTATIVES, U. S.
WASHINGTON, D. C.

December 6th, 1917.

Mr. B. E. Pritchard, Secretary
Pittsburgh College of Pharmacy
Cor. Bluff and Pride and Vickroy Sts.,
Pittsburgh, Pa.

My dear Mr. Pritchard:

I have your letter of the 4th instant, calling my attention to the bill introduced by Hon. George W. Edmonds, having for its object the securing of "An Army Pharmaceutical Corps."

I shall be pleased to vote for the passage of this bill, and hope that opportunity will present itself, so that I can lend to it both my vote and influence.

Yours very truly

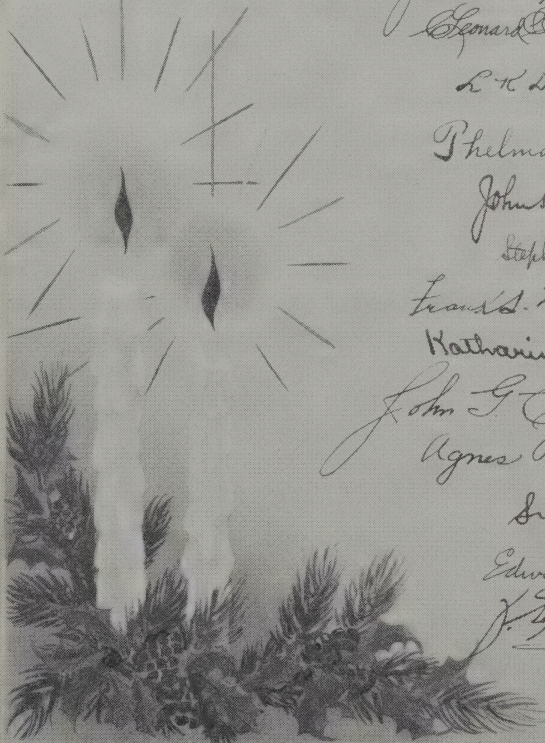
s/ Stephen G. Porter

E-W

DOCUMENT O

The Seasons Greetings

Wherever you are, may the spirit of the Christmas and New Year Season be with you. Though the outward symbols be absent this year, the inner glow must be in your hearts; also the satisfaction that when this job is done, you will return to your homes with a mind enriched by experiences that cannot come in the ordinary course of peacetime activities.



John L. Bonman

John Thompson

Edward Bennett

L. K. Darbaker

Phelma G. Carr

John H. Mordack

Stephen Wilson

Frank S. McGinnis

Katharine K. Frisbie

John G. Christianson

Agnes P. Wajert

Sylvan Sax

Edward C. Reif

J. E. Lissfeldt

DOCUMENT P

A COMMUNICATION FROM LEHN AND FINK, WHOLESALE DRUG FIRM OF NEW YORK

"In accordance with the long established policy of our firm to promote the Science of Pharmacy and Allied Branches, we have decided to furnish to a selected list of Colleges of Pharmacy, a gold medal to be awarded to the graduating student who, in the judgment of the faculty of the college, has attained either the highest standing in the examination in pharmacy or has done some special work in Pharmacy deserving of recognition.

Preferably, would like to reward the student who has made the best showing in some higher field as, for instance, Pharmaceutical Chemistry. We believe it would serve as a stimulus to other graduates in Pharmacy to take up the advanced studies for the degree of PH.C. In either case the prize winning essay or thesis is to be sent to us for publication in the Pharmaceutical Journals.

The medal will be solid, practically the size of a "double eagle". The face of the medal will bear the inscription, "Lehn and Fink, Inc., Medal for Advancement of Pharmaceutical Science", on the reverse side "awarded to of the College of Pharmacy of" The name of the successful student and the respective college being engraved in the blank spaces as soon as the name of the winner is determined.

The medal will be of an original design and artistic workmanship, worthy of the College and the Donors and, we are sure, a welcome badge of honor to the recipient. Yours is one of the number of representative Pharmaceutical Institutions selected by us for the distribution of these awards to the meritorious.

Lehn and Fink, Inc.
s/ Edward Plant, *President*

DOCUMENT Q

EDUCATION—PHARMACY'S DIAMOND

MELVIN W. GREEN

*Director of Educational Relations,
American Council on Pharmaceutical Education*

Since Elizabethan days our English friends have been known as turners of neat phrases. Adroitness at expressing rather complex ideas in simple, and often times clever terms is with them an art. The other day in reading about the coronation, I saw that a British gardener of note said that the proper way to prepare a beautiful lawn for the coronation was to start 200 years ago. In thinking about our Diamond Jubilee, I was struck by the similarity of circumstances and

wondered if we might not say that the way to have a vigorous School of Pharmacy in 1953 is to start 75 years ago. Now such a statement would be more than a paraphrase of a clever *bon mot*, for 75 years ago was, historically, the correct time to start a college in Pittsburgh. I have neither the time nor the talent to develop that historical theme properly, but I would like to defend the thesis in a superficial way at least.

First of all, the University of Pittsburgh at that time was just about 100 years old. Despite the fact that the University has been somewhat slow in recognizing her full maternal responsibility for us, I can never think of the School of Pharmacy apart from the University. After all, Professor Phillips of the chemistry department was the midwife at our birth. It is of more than passing interest that a part of Professor Phillips' obstetrical fee was the requirement that we purchase a spectroscope, a research tool rather rare in those days, and an oxy-hydrogen lantern for visual education—so you see we were to become a modern child with scholarly presage. But back to the theme—the University, at that time, was sufficiently mature in terms of scholarship to have made great contributions to us, if we had had the wisdom to know how to use them.

Secondly, 1878 was the time when higher education was beginning to throw off the yoke of a certain kind of narrow ecclesiasticism and sterile classicism—in short our birth coincides with the beginning of the phase of American education called modern.

Third, this was the period when many great Universities were forming Schools of Pharmacy. The University of Michigan, for example, formed such a school in 1867 and the University of Wisconsin followed in 1883. This led to a concept of pharmaceutical education which, while rapidly becoming recognized, is not completely accepted even yet and which is capable of yielding a profession truly worthy of the name.

So, I repeat, the School of Pharmacy of the University of Pittsburgh had the good sense to be born at the right time to develop into a college of rank.

I would like to spend the time reviewing with you the glorious history of these past 75 years, but instead I will talk about some pharmaceutical education problems of the present and the more immediate future. Had I the courage and the audacity I would attempt to predict what the next 75 years will bring, but caution restricts me to the time required to live out our first century. We have to think of the past, not because it is our duty but because it is a necessity of fate that the past merges into the present and future in such a way that it cannot be ignored.

Pharmaceutical education at Pitt does not operate in a vacuum. It is tied in with education in its other aspects at this University and it is an integral part of pharmaceutical education throughout the nation and even the world. My position brings me in contact with schools throughout the land; I have visited over

one-third of the colleges from Boston to Los Angeles and from Houston to Chicago during this academic year. This stimulating experience has made it possible to see trends in pharmaceutical education in a broad way.

Education in pharmacy in the United States has gone through distinct periods not unlike ladies' hats, and at times equally bizarre. At first all pharmaceutical education was training, not education, by apprenticeship—in modern parlance "on-the-job" training. Later such training was coupled with formal education in schools and colleges. Although we have progressed to the point where all pharmacists must have at least 4 years of formal education, and the colleges in one state require the 4 years to be preceded by at least 2 years of preprofessional collegiate education, we have never seen fit to eliminate completely the on-the-job phase of the educational process.

During the days when all or nearly all of the training took place in the community pharmacy, the pharmacist recognized himself as a part of the pedagogical process. I fear that such is not always so now, for it has been known to happen that the apprentice be given short shrift as far as such training is concerned. Frequently, knowledge of this has led the colleges to attempt to fill the void by teaching things for which they are ill-suited. The time has come when it is imperative that the educator and the practitioner sit down together and delineate more critically their respective functions.

The ability to establish and maintain proper relations between pharmacist and patron, pharmacist and physician, and pharmacist and fellow pharmacist, for example, can be taught best in the field. While principles of prescription practice can be and should be taught in the college, skill, accuracy, and dispatch are best developed at the prescription counter. To attempt to gain familiarity with a vast number of brand names, proprietary drugs, and packaging types in a formal way can have little meaning to the uninitiated student. The mechanics of inventory control, purchasing and record keeping of narcotics, and evaluation of the seasonal fluctuation of goods sold are all things which the practitioners can teach better than we.

So I predict, if I may be so bold, that one of the next trends in pharmaceutical education will be the more careful prescription of the duties of the master to the apprentice or, more properly, the intern.

Those of you in pharmaceutical practice are more aware than I of the rapidity with which new drugs become available. Apparently well over 50 per cent of the drugs handled by the pharmacist today were non-existent as short a time as 10 years ago. Students know that the sciences ancillary to pharmacy are changing with equal rapidity. We exchange facts for new ones so frequently, that it is now virtually impossible to teach a pharmacist all of the facts and ideas that he should know. Educators' appreciation of this situation is leading to a new concept of education. We are endeavoring now to teach

students how to think like a doctor, to think like an engineer, or to think like a pharmacist.

The emphasis is away from piling fact upon fact and toward the fundamentally more difficult inculcation of methods of thinking in a certain pattern. Pharmaceutical education will inevitably show this same trend. This may, at times, lead you to disappointment in the product of our colleges when you get the student as a new employee. After you have supplemented his education with your experience, you will be pleased with the novice's grasp.

Pharmacy is inexorably tied up with medicine. According to the Commonwealth Fund report of 1952, medicine is now in the second of three stages as far as education is concerned. According to this report, the first phase is that initiated by the Flexner report of 1910 and may be thought of as the scientific phase or the period of the specialist. In recent years, however, psychology, anthropology, sociology, and the other behavioral sciences have entered the picture and the physician is becoming concerned with the patient's interaction with his environment. That is, we are now in the second phase of medical education, a transitional phase in which the concept of comprehensive medicine is beginning to modify the definition of scientific medicine. The third phase will be some "reconciliation between what has been called scientific medicine and what is now called comprehensive medicine, some better adjustment of the specialist to the generalist, and some restructuring of both medical education and medical care to fit the needs of a more knowledgeable social order." If medical education is going to undergo some such change, pharmaceutical education and practice will have, in some way, to adjust.

Perhaps a more horizontal structuring of the curriculum is the answer. Instead of a review of all of the scientific facts concerning the antibiotics (and I am not minimizing the value of these facts) the pharmacist should see more of the picture. What are the economic and social implications of the discovery of the antibiotics in our time? Certainly the increased longevity and decreased absenteeism in industry in this country, the changed death rate in whole continents dependent upon disease to maintain the birth-death equilibrium and many other such consequences are of as much interest to pharmacists, or should be, as the classical pharmaceutical facts.

Another trend in pharmaceutical education, as I see it, is an ethical one. I was about to say that we in the schools have never been able, but perhaps it is more honest to say, we have rarely tried, to develop techniques for inculcating professional ethics. Since integrity of character is one of the prerequisites for admission to our schools of pharmacy, it would appear that lack of knowledge of moral law is not the missing factor. It seems that ability to function ethically in very complex social situations is difficult. Perhaps we need, first of all, to define the ethics of professional situations more accurately and precisely, and

then develop a system of teaching in this area by a method akin to the case system of the law school.

But enough of speaking in generalities. Let us don the robes of the seer and the prophet and see what can be expected at the University of Pittsburgh during the last quarter of our first century. Actually the trend lines have been so well established by Dean Reif and his staff, and the groundwork has been so well laid by preceding deans and their staffs, that prediction should not be difficult.

In the first place, it is safe to predict that the School will be integrated more closely with the University as a whole, especially as to physical plant and improvement in general education. Man does not live by bread alone, and certainly pharmacists do not live by only that which is embraced by the Rx symbol. We are more than pharmacists: we are husbands and wives, fathers and mothers, citizens, neighbors, churchgoers, community leaders, members of fraternal and service organizations—all of these and many more. It is essential that we take part in church activity, local political affairs, health councils, and other community activities that give us a measure of the pulse of social and health needs. We are a selected few, not only because we have a college education, but because we have in addition a professional education. Professional people are highly specialized people in their work and they come in contact with other highly specialized individuals daily, because that is the nature of our complex society. Now the danger is that we will think that the running of public affairs should be entrusted to a specialized class. We are apt to forget that ours is a democracy of workers—not of a leisure class. It will be a great tragedy, then, if professional people abdicate their interest in public affairs, entrusting all to others, many of whom are intellectually inferior. If we do not inform ourselves of the larger issues of our times and meet them with selfless concern, we are nothing short of derelict in our duties to our fellow man. General education at the University should assist us in preparing for this responsibility. Perhaps in the future a part of this broad education will be placed into preprofessional years.

Another prediction for the next 25 years is a closer integration with the other health science professions. Pharmacy cannot only gain much from such integration; it can give much too. In the vast medical center that is growing rapidly at Pitt, pharmacy can make a valuable contribution to the multiple hospitals. The pharmacist as a specialist on drugs should be the key man on the therapeutics board, assisting in keeping the inventory within bounds and keeping the staffs informed about the countless new drugs as they are placed on the market. A useful professional service will be rendered to the other health professions and pharmacy will gain value for its educational program.

An important feature of the integration will be that which pharmacy can

contribute to medical science education by way of special instruction about drugs to the students of medicine, dentistry, and nursing. There is a sphere of practicality that is often not covered by the strictly scientific courses and, as a matter of fact, the School of Pharmacy is already functioning in this area. Further, when other health science students see for themselves the many phases of interest of the pharmacist while they are students, improvement in future interprofessional relations is bound to ensue.

The fact that the University of Pittsburgh has a Graduate School of Public Health strengthens all of the health sciences. It is now possible to explore further, with expert advice, pharmacy's role in community health and in health education. We have acknowledged for some time that the pharmacist is in a strategic position as far as the number of contacts with the public is concerned. Those contacts must be given more meaning. I predict that within the next 25 years Pitt will have become a leader in this field by co-operating more closely with the other health sciences. Distribution of health information, active participation in programs such as the Diabetes Detection Drive, the Rural Health Conference, the development of techniques for getting seekers after self-medication into professional hands—these things and more will be developed.

Pitt has become a leader in the field of pharmacy administration, the economic side of pharmacy. The next 25 years should see an expansion in this area as research is developed further. One frequently hears from one group that there are too many pharmacists or, from other sources, too few. Studies of the distribution of stores and manpower in relation to economic and professional needs are needed. Perhaps Pitt will be the focal point of such studies.

Pharmacists are interested in finding ways to extend their professional services. The more time and energy that can be devoted to professional activity the less will be needed in less professional areas. This will take constant research and thought. No one is in a better position to take the lead in such studies than the University of Pittsburgh where we have taken the lead in pharmaceutical economics. I predict that the research findings in this area will be transferred ultimately into the field in some form of extension service or in-service training.

The last prediction is concerned with graduate education and research. This area will expand, for the University recognizes that the secret of good teaching, in the last analysis, rests on scholarly research and professional activity.

Although the graduate area will always be small in relation to the undergraduate area, this is the creative area from which will come research workers and teachers. Research workers are needed by industry and government, and teachers are needed for our 74 colleges of pharmacy. The Ph.D. program develops a scholarly attitude among teachers, and without a faculty of distin-

guished scholars, not only well trained but constantly productive, a college is sterile. No charm of personality, no busy work on committees, no fluent speakers in the classroom, no fraternities, no College newspapers, can keep a college from becoming a hollow shell if it has not scholarship. If a teacher is not a scholarly teacher, even the most elementary student is cheated, for he receives merely facts and not that enthusiasm to interpret facts, and that capacity to acquire more and fresh facts that should be the aim of the College to develop.

In closing, it is fitting that we gather here tonight to celebrate the achievements of the past 75 years and look forward to that which is to come. On this Diamond Jubilee we recognize that education is Pharmacy's diamond—not the shiny, glittery diamond that is used only for ornament, but the kind of a diamond that cuts and polishes everything it touches, bringing usefulness to man.

DOCUMENT R

INSTALLATION ADDRESS OF EDWARD C. REIF, A.A.C.P. American Association of Colleges of Pharmacy *Salt Lake City Meeting, August 16-22, 1953*

It is with *real pride* and *deep* appreciation that I accept the obligations and opportunities embodied in becoming President of this Association.

I am well aware of the many difficulties which pharmacy faces today, for my life has been dominated by the profession of pharmacy for fifty years, and I can assure you that this new undertaking for the coming year is not taken lightly.

A review of the presidential addresses and reports of the past presidents shows that each president was vitally concerned with the problems confronting pharmacy during his term of office.

We have challenges on all sides; to meet these we must face all of them boldly.

It is not my intention to expound abstract discussions at length. Rather, I am concerned *specifically* with the present and the future.

We have problems in pharmacy, so let us scrutinize them *carefully* and do our *utmost* to solve them. We have not the energy to spare in bemoaning our situation in general, nor do we have any expendable energy for petty bickering among ourselves. We need every ounce of energy we can muster collectively to meet our obligations to the profession and to society.

The most popular word in our language these days is "crisis." But may I suggest that a *crisis* may often become a *blessing* in disguise. My own feeling has *always* been that a "crisis" is just another way of saying "a challenge." And in the final analysis, who ever accomplishes anything unless he is challenged

to do it? Why not show a united front in pharmacy? If we really mean business, I believe we can turn this *so-called crisis* into an *opportunity* for progress which is virtually limitless in scope.

Of course, we educators in pharmacy represent just one phase of the total profession. We are not going to make the world over, all by ourselves. But we *can* and *should* put our own house in order, and thus our influence can have profound effects upon our colleagues in the retail, wholesale, manufacturing and other phases of the profession.

We have *many, many good points* of which to be *proud*, but too few other people know of them. Therefore, I think our first approach should be one of public relations.

We cannot hope to be respected unless we earn and demand respect.

I would like to see our Association undertake a definite and consistent campaign to publicize pharmacy in a dignified and professional manner. I would *further* like to see each school in the Association assume responsibility for good and consistent public relations in its own area of influence. Many of our institutions have public relations counsellors upon whom they can call for help. I think we should *share* our experience with each other, so that all may profit.

We must think of the future. It cannot be otherwise. Thinking of the *present* against a background of serious interpretations of the *past* turns the mind to things ahead. *Perfection, nothing less*, sought patiently, must forever be our goal.

Public relations is a *means* of creating understanding and good will toward our field, thereby increasing the public appreciation for the professional services offered by pharmacists.

The courage and clear thinking required to calculate risks successfully and to set an aggressive course has for its objective a greater respect for the field to which we in the general pattern of pharmaceutical education are committed.

Most disturbing, however, is our apparent forgetfulness of the necessity of evaluating ideas of all kinds in attempting to arrive at valid new ones or in attempting to put old ones to good use.

Valid ideas result from the combined efforts of a number of people working hard at the business of arriving at ideas.

Public relations is *nothing new*. Throughout history people have worried about the problem of getting along well with one another. Public relations as an *organized approach*, however, is relatively new, and has enjoyed a rapid and dramatic growth over the past several years. Business, industry and educational institutions have been among the leaders in implementing public relations programs.

An eminent public relations counsellor describes public relations in terms applicable to pharmacy: "Public relations is a vital tool of adjustment, interpretation, and integration between individuals, groups and society. Public understanding and support is basic to existence in our competitive system. To know how to get along with the public is important to everyone."

In simpler terms, public relations is doing a good job and receiving credit for it. We all have public relations, good or bad, whether we know it or not. Through good public relations planning, it is possible to present knowledge upon which the public can make its decisions concerning a group, an institution or an individual. A great amount of public information is gained through mass media. A great many of the public's attitudes and actions are based upon this mass media information.

Such information must be *accurate*, must follow predetermined lines of thought and must bring to bear upon the public a heavy impact. To do so, it must be organized and channelled. Public attitudes must be *analyzed* and *evaluated*. Policies and procedures must be identified with the public interest.

Why Does the Association Need a Public Relations Program?

Pharmacists generally have maintained good public relations with their customers. *Pharmacy schools, too, have* good public relations within their communities. This public relations is carried on in almost as many different ways as there are individual pharmacists and pharmacy schools. Such public relations, however, is localized, and lacks the impact necessary really to tell pharmacy's story.

The Association needs an overall public relations program to provide policies and procedures on a nationwide scale. These policies and procedures would serve as a guide for localized and community public relations. We have done a good job in training young men and women to become pharmacists; we have brought to the American people better medicine and better health through better pharmacy; we are an important section of the health team. *Few people, however,* outside of the profession, know these things.

Perhaps you can see no necessity for telling pharmacy's story to the public. If you need an example, look at the American Medical Association and its problems over the past few years.

Physicians were treating their patients as they had always done, and got along well with them. Medical schools were turning out physicians as rapidly and as well-trained as possible. There were no problems, and medicine in general was snug in the thought that everything was rosy.

Then came the *dawn*, in the form of "*socialized medicine*." The public took up the cry for more doctors and better medical facilities, and modern medicine and medical education were in the spotlight.

The public, which had heretofore thought their doctors were doing a fine job, were not quite so sure now. The public had nothing upon which to base its decisions except information in the public press concerning the "socialized medicine" plans.

The A.M.A. fought back, as we know, but it was an uphill battle all the way. Had they been actively telling medicine's story earlier, the task of combatting "socialized medicine" would have been much easier. Had the public been aware of the A.M.A.'s policies—which in reality were in the public's interest—the problem would have been much simpler.

Instead, the A.M.A. had to take the defensive position, always a difficult one. Once a charge is made, it is difficult to refute without leaving doubts. Had the A.M.A. followed the advice of some forgotten sage who said, "*The best defense is a good offense*" the difficulties would have been much fewer and more easily treated.

I subscribe to that sage's advice. I believe our Association should adhere to his "*good offense*" suggestion. I believe our Association should establish a department of public relations at the national level. It should be supported by a budget that would permit modest beginnings toward an overall program. It should be responsible for:

1. Studying scientifically the problems facing the pharmacy schools, the individual pharmacist and the profession generally; the misunderstandings that exist; the magnitudes of the problems,

2. Assisting Association officials in formulating generally accepted policies in the public's interest, policies to be followed on all levels, upon which could be built a sound public relations program,

3. Preparing a detailed public relations program to *meet* and *solve* these problems and to bring these *policies* before the public, thereby earning public understanding, public approval and public support,

4. Telling the story of *pharmacy and pharmacy education*, with frankness and conviction, never hiding the bad but always plugging the good, through the press, radio, television, magazines, motion pictures, publications, etc.

Obviously, such a program cannot be developed overnight, nor will swift public reaction be the result. It must be a *long-range development*, calculated to educate the public in the ways of pharmacy.

Obviously, too, such a program cannot be accomplished without adequate financial support. Such support, modest at the beginning to be sure, will of necessity have to increase as the program develops and reaches into new areas.

I would urge that we give this serious consideration; that we as pharmacy educators take the offensive now, as have industry, business, education, voluntary organizations, physicians, and countless others. Then, when problems arise,

as one day they surely will, they will be of less magnitude because of sound, well-organized public relations policies and procedures.

I have *one additional suggestion*, and *one* which would *apply with equal force to the schools of pharmacy and all other professional schools*. It is simply this. I believe that part of the training of a doctor, a dentist, a nurse, a pharmacist, a lawyer, or a minister should include formal training in the principles of public relations. The professional man today owes a large part of his success to his ability to get along with people, to interpret his problems to them, to win their acceptance of his *programs*, and to gain *their* respect. Many people have natural, almost instinctive ability to learn these things; but others do not. I suggest that a course in *public relations, or human relations, or whatever you wish to call it, be a part of the curriculum of every professional school*.

As individuals the professional people would benefit; as a group the profession would benefit because of the enlightened direction the professional associations would have.

Our efforts should be aimed at developing a greater appreciation of what *pharmaceutical education* means to the public and how *it* operates to their benefit.

People are little interested in the operation of a pharmacy school, but they do want service from the pharmacists in their communities. The schools and colleges of pharmacy have been progressively preparing their students to render these services most efficiently.

If we are going to measure the position of pharmacy and pharmaceutical education in the public mind we must at least entertain the idea that it rates very high. It must rate high in the mind of the teacher, and in the minds of our students. If they are not motivated at the time of admission by an *inherent desire to progress in the educational pattern*, then they *must be motivated while in school*. This motivation can be successfully carried out *only* by the teacher in pharmacy and by the product of our schools, *the pharmacist*.

Professional Relations

Recently there appeared the report of the President's Commission on the Health Needs of the Nation known as the Magnusson Report. This Commission appointed by the President of the United States consisted of representatives from Medicine, Dentistry, International Association of Machinists, National Consumers League, the Farmer, CIO, National League for Nursing, but *no* representative from Pharmacy.

In volume one their findings and recommendations are in part:

SECTION I. There is hereby established a commission to be known as the President's Commission on the Health Needs of the Nation, which shall consist of a Chairman and fourteen other members to be designated by the President:

SECTION 2. The Commission is authorized and directed to inquire into and study the following:

a. The current and prospective supply of physicians, dentists, nurses, hospital administrators, and allied professional workers; the adequacy of this supply in terms of the present demands for service; and the ability of educational institutions and other training facilities to provide such additional trained persons as may be required to meet prospective requirements.

c. The problems created by the shift of thousands of workers to defense production areas requiring the relocation of doctors and other professional personnel and the establishment of additional facilities to meet health needs.

e. Current research activities in the field of health and the programs needed to keep pace with new developments.

The Commission has one major objective—

“During this crucial period in our country’s history it will make a critical study of our total health requirements, both *immediate* and *long range*, and will recommend courses of action to meet these needs.”

The Commission met first on January 14 and 15, 1952, and made four fundamental decisions which guided the commission policy throughout the year. The one important to us is number two:

“To reach no conclusions until we have heard all the evidence which could be assembled in the time available and to scour the country to find the experts and unearth the studies which would supply us with basic data.”

On page 3 this report also makes the following recommendation:

“The physician leads the over-all effort, but as one member of a well-trained team comprised of dentists, nurses, technicians, and many other professional health workers. Only through such joint endeavor can the whole range of services be delivered.”

To be most effective the health team must achieve a smooth continuum of care,—embracing promotion of health, prevention of diseases, diagnosis, treatment and rehabilitation,—all of which is constantly improved through education and research.

The report, volume one, page 11, reads:

“Physicians, dentists, nurses, and auxiliary medical workers are the indispensable and irreplaceable core at the center of the provision and distribution of medical care. . . . There is no substitute for the skilled surgeon, the precise dentist, the trained resourceful nurse. Good Health Service is never mechanical; it stems from the educated mind, the warm heart and the practiced hands of our many health workers.”

Pharmacy as a profession is *not* mentioned in its rightful place.

In one summary of the report the statement is made

“far less than necessary is spent for preventive care, and expenditures for drugs are high relative to expenditures for other medical care.”

The implication here is definitely *not* correct.

In volume two, page 240, the following statement appears:

"The individual who is interested in promoting his health can take one of several courses. He may seek information from newspaper columns or magazine articles, both good and bad. These are probably the most popular sources of health education. He may purchase vitamin pills, cold medicines or tonics at the corner drug store."

In volume four, page 29, the emphasis is placed upon "Life-saving but expensive drugs" and on page 33 of the same volume is the statement: "catastrophic drug bills which drain the family purse at the same time that other emergency expenses pile up."

In a review of the bibliography the only references made to the field of pharmacy are as follows:

Under the caption—"Drugs and Medicines" the following are listed:

1. *American Society of Hospital Pharmacists Bulletin*
2. P. H. Costello—*Licensure Statistics and Census of Pharmacy*
3. R. P. Fischelis—"Drug Control"
4. J. Solon Mordell—"The Rx Study of the Pharmaceutical Survey Monograph 2"
5. C. Rufus Rorem and R. P. Fischelis—"The Costs of Medicines; the Manufacture and Distribution of Drugs and Medicines in the United States and the Services of Pharmacy in Medical Care."

At a panel discussion on training of paramedical personnel, according to the printed report, Dr. Robert P. Fischelis was the only representative of pharmacy who participated.

At a joint panel on Research and Education of Physician, Dentist, Nurse and Paramedical Personnel, there was *no* representative from Pharmacy.

No pharmaceutical official agency appears in the list of organizations providing technical information and assistance.

In the printed list of witnesses the only names of persons and organizations who presented or filed testimony at the regional hearings conducted in eight major cities are—David Bitner, President of the Pennsylvania Pharmaceutical Association; Dr. Ivor Griffith, President of the Philadelphia College of Pharmacy and Science; and Herman Winkleman of the Retail Druggists Association of Greater St. Louis.

I believe this emphasizes the need for a *powerful public and professional* relations program. I have offered the foregoing in support of my contention.

We have had the Charters Survey and the recently published Pharmaceutical Survey. We have had many reports, contributions, the Pharmacy Curriculum Committee of the A.A.C.P. reports, and "The Pharmaceutical Curriculum," but *have we taken full* advantage of all findings to bring pharmacy where it rightly belongs on an even keel with the other health professions?

A veritable revolution in medical education occurred in 1910, with the

publication of the Flexnor report, which led the way to sweeping reforms in medical education. Certainly the findings of the Pharmaceutical Survey *should*, in fact *must*, accomplish the same in Pharmaceutical Education.

More than thirty paramedical specialists have evolved including such diverse groups as medical laboratory technicians, X-ray technicians, dieticians, physical, occupational, and speech therapists, medical record librarians, social workers, clinical physiologists, hospital administrators and many others.

The training required for these fields ranges from one year of study after high school to two or more years of post-graduate education.

Thus the improving standards of training in most paramedical fields not only gives increasing assurance of competence and technical reliability but *also* attracts more applicants to training institutions.

As you already know, paramedical workers are persons other than physicians, dentists, and nurses who are engaged in the investigation, treatment and prevention of disease and disability and in the promotion of health by virtue of some special skills. In such a list in the President's Commission report, Pharmacists are listed as tenth, placing medical laboratory technicians, X-ray technicians, dieticians and nutritionists, physical therapists, occupational therapists, speech therapists, social workers, clinical psychologists and even midwives ahead.

In connection with public and professional relations, the need for a brochure has long been recognized. The committee appointed by the Executive Committee to prepare a suitable brochure has devoted a tremendous amount of effort and work in preparing it. The preliminary report appears to be quite long and it has certainly covered many of the facets of pharmacy. Certainly it will not be *too long for any person seriously* concerned with the problem of selecting a career. I believe, *though*, that a brochure is necessary which will appeal to the prospective student and to the parent. I also think that more thought should be given to our college bulletins so that they can more accurately portray the curriculum to the student. As presently constituted, the bulletins are built up with a vast amount of material which is purely academic and can in the main be interpreted chiefly by committees on admission, registrars and administrative officers.

Public Health

We all know that communities have taken measures to protect the health of their citizens.

As Public Health practice has expanded, have the skills of the pharmacist been *recognized* and used to the *fullest extent*?

After all, what is Public Health? It is defined as "The science and art of preventing disease, prolonging life, and promoting physical and mental health and efficiency through organized community efforts."

If this is public health, and I believe it is, should pharmacists be mentioned specifically with physicians, nurses, etc., as a component of the core of public health personnel, or be mentioned as one of the special groups which also participate, such as dentists, health educators, laboratory workers, nutritionists, social workers, statisticians, and veterinarians?

The World Health Organization, a specialized agency of the United Nations, is the directing and coordinating authority in the international aspects of health. It provides technical and advisory services in many phases of Public Health, in which is included *standardization of drugs*. Are we represented?

Should the curricula of pharmacy schools embody some specialized training required for public health activities?

To seek justification for the inclusion of a course in Public Health in the already crowded curriculum of a school of Pharmacy, we might address ourselves to identifying the place of the pharmacist in the field of Public Health.

First of all, the pharmacist is a professional worker in a field which is included in the general classification of the health sciences. Within this field, he may be classified as a co-worker with the physician. As *such*, he becomes an active member of the so-called "Health Team." Traditionally, like the physician, the pharmacist has been largely concerned with the materials of curative medicine. However, during the last three or four decades, the shelves and especially the refrigerator of the corner drugstore have come to be occupied by an increasingly higher percentage of materials whose use is directed to the preservation of health and the prevention of disease. For example, I direct your attention to vaccine points and other sera and vaccines and even to the ever-present vitamin pills.

Furthermore, we find an increasing number of pharmacists rendering direct service in the public health field as employees of health agencies, official or voluntary, especially those charged with responsibility for the care of the indigent sick. Others are serving the state or federal agencies concerned with regulation and standardization of drug products. In fact, in the broadest sense, any professional function performed by the pharmacist which is *not a direct service* to an individual but rather an organizational service to the public or groups of individuals takes him into the field of Public Health as it is broadly conceived of today.

In this category of service, we cannot escape the unofficial (and often involuntary) function which the pharmacist performs in the field of health education. We *must* recognize the fact that, as a professional person supposedly informed on matters pertaining to health and easily accessible to the general public, the pharmacist is the logical *target* for *requests* for all *sorts of information on health matters*. Some of this he has been taught to refer to the physician but to a great many questions he *can* and quite properly *should* provide an

authoritative answer. Whether he likes it or not, he will find himself called upon for an opinion as to the danger or usefulness of fluorides or chlorine in the town water supply, the control of pests, the local school health program, the need for a new hospital and countless like matters.

It seems to me, therefore, that it is incumbent upon us, as educators, to equip the graduate in pharmacy to perform, as intelligently as possible, in the field I have briefly and imperfectly sketched. Certainly, the *least we can do is to provide him with a background of knowledge as to the modern concept of Public Health*—its organizational structure, history, functions and development—and either *tell him or allow him* to draw his own conclusions as to his place as a pharmacist in it.

Finally, in this connection, let me dwell for a moment upon an educational by-product that need *not necessarily be related to the professional functions of the pharmacist*. By providing an introductory background in public health, we have created an *informed citizen*. Progress in public health depends upon an *intelligent understanding and leadership* among the population whose health is being furthered or protected. A professional background need be *only incidental to this understanding* and this capacity for leadership but the ability to comprehend and the power to THINK about health problems is fundamental to it. The preparation of our students for *community leadership as citizens is probably* as significant as their training as professionals.

In-Service Training

Epoch-making discoveries and contributions by many hundreds of scientists have opened up vast areas of research in the fields of nutrition, endocrinology, hematology, therapeutics, pharmacology, pathology, and many other sciences.

Many examples may be cited in which individuals or groups of individuals conducted their series of experiments to prove or disprove a very simple observation. Inquisitiveness or thirst for knowledge, or a desire to accomplish something worthwhile was in many instances the impetus behind the work which often resulted in important discoveries. These have proved beneficial to all mankind.

The large pharmaceutical manufacturers, with their staffs of pharmacists, pharmacologists, chemists and other workers, prepare the material for convenient use, with proper checks for purity, potency and stability.

The retail pharmacists, as the proper purveyors to the physicians and the public, then dispense these medicaments, either alone or compounded with others. They know how materials differ from each other, their storage, their incompatibilities, their dosage. The constant multitudinous influx of new materials requires constant attention.

While no concrete data is available, I am of the opinion that many teachers

in schools of pharmacy, regardless of the areas of instruction, have little contact with the drug store whether it be of the strictly professional type, the community store, the self-service store, or the chain store. Most information at their command regarding drug stores is what has been conveyed to them by alumni or by students working in stores.

The physician serves his internship in the *hospital* and we are all aware of the fact that he is able to keep intimate contact with his patients. If he is progressive, he translates the trends of his profession to the benefit of his patient. The dentist functions somewhat in the same manner. The same may be said of the nurse. The teacher in the school of engineering in a great many cases is able continuously to keep abreast of the advances in his profession by acting as a consultant.

It appears that many teachers of pharmacy fail to keep a finger on the pulse of what is transpiring in the present-day drugstore.

I have been in contact with pharmacy for fifty years, thirty-five of which have been devoted to teaching. Until the last ten years, I considered it a duty on my part to spend some time in retail and/or hospital pharmacy, if only for one evening a week or a month during the summer time.

When I was in Lincoln, Nebraska, for the District meeting, I visited strictly professional stores as well as the most modern self-service stores. This division into two extreme types of stores in the West shows a trend rapidly moving eastward.

I want it *thoroughly understood* that my *comments* must *not* be construed to mean that I favor a decrease in the number of full-time teachers and an increase of part-time teachers, but rather that there should be more thought given by pharmacy faculties to in-service training. This would apply equally to the teachers of Pharmacy, Pharmacology, Pharmacognosy, Chemistry, or Pharmacy Administration. In my opinion this is a practical aspect which we *cannot* overlook. The teacher should know what happens behind the counter in the retail store whether it be the corner drug store, the professional type of store or the hospital pharmacy.

Pharmacists are men and women who are liked and respected in their communities. They have personality, good manners, and other human qualifications which are *not* studied in text books or listed in examinations. These are *intangible* things that can grow up in almost any course, however factual or specialized, in the classroom of fine teachers and in the every day friendliness of campus life.

Pharmacists must have ability to get along with people, to be honest, to do a sound piece of work, and to respect the good work of others, to be reflective, to understand more each day of things and people and the world around us.

Let us dedicate ourselves to the *sound development of the highest standards and ideals of pharmaceutical education*. When I say highest standards, I do not use idle words but express a fixed determination to attain as quickly as possible the highest educational standards in pharmacy.

Are we too prone to speak too much about pharmaceutical education and not enough about pharmacy? I do not believe so.

We know that pharmacists are facing constantly changing ideas; that *some* lack enthusiasm about their opportunities; that *they* do not *always* evaluate products. We also know that a new realism in educational techniques is little short of inspirational; and that a good teacher must know how to motivate.

Therefore we must strive for more ideal conditions; we must redouble our efforts to advance our profession. The vitality and health of our profession must be *preserved* if it is to render the benefits expected of it. Whether the actions needed to achieve this end are popular or not is secondary. We are judged by the quality of our products.

It requires more concentrated attention and effort on the part of the administrator, the teacher and the student to master the vastly expanding area, commensurate with the developments in therapeutics, the newer dosage forms, and the economic aspect.

Television, radio and visual aids all have had a tremendous effect on the education of our youth. *Educators feel that one of the effects of television is that book resistance on the part of the student is fast becoming an important factor we must face in education*. For instance, it is much easier to listen to some one else and to look at pictures than it is ferret out information for one's self.

Pharmacy is a member of the health team and should make itself felt as such. We cannot do this by measuring all things on a dollar and cents basis. There should be no question when a physician asks for a definite item that he gets it. Stressing honesty and integrity must be a part of the fundamental training of the student.

Teachers in such a pattern are extremely important. We are dealing with youth and the impressions we make, in many cases, will be carried through life. Thus it goes without saying, our teachers should have the *highest educational and moral standards*.

We cannot afford to look backwards. We can only hope to move forward by setting a goal which is difficult to reach and working toward it, though it takes a year, two years, five years, or more.

Extended Program

We cannot afford to overlook the point that the majority of the pharmacists we train remain in retail pharmacy. Therefore, I think that our program should

consider *first of all*, making this retail man the best possible by giving him the finest training available. This is not a local problem but a National one

Dr. Christensen said:

"The educational system of a profession contributes to a large degree to the growth and advancement of that profession. The primary responsibility for growth and progress and improvement in the practice of pharmacy rests upon the member colleges of the association.

"It is true that to insure consistent progress in the practice of pharmacy each succeeding class of graduates should be a little more capable, each a little better educated and better trained than the preceding class. This can be brought about by a better selection of students, improvement in teacher quality, choice of subject matter and scope of subject matter."

In *this* I concur.

I have found the following words of unknown origin *thought-provoking* and want to share them with you:

"A child is a person who is going to carry on what *you have started*. He is going to sit where *you* are sitting, and when *you* are gone, attend to *those things* which you think are important. You may adopt all the policies you please, but how they will be carried out depends on him. All your books are going to be judged, praised or condemned by him. So it might be well to pay *him* some attention."

This could well apply to our students in pharmacy.

Pharmacy's perspective *must* change; whether this be a gradual process or a sudden one depends largely upon the situation and attitudes of the member colleges. Within five years it should be possible for all schools to embark upon an extended program, leading to a degree other than the B.S. which would include a definite division into a pre-pharmacy and professional course, or a pre-pharmacy course as a pre-requisite entrance into a pharmacy school. This should be an objective of the Association and should be accomplished.

Teachers' Seminar

The teachers' conference for 1954 should present as many facades as possible in order that the very best may be chosen, as only in this manner can we hope to advance. The preliminary report of the planning committee for the 1954 seminar states that "The 1954 Seminar will unquestionably be more difficult to plan and successfully conduct than earlier seminars." Undoubtedly this is *true*, but the recommendations are sound and merit consideration by the committee which will be appointed to conduct the seminar. I agree the entire seminar should be as practical as possible; however, there must be some philosophical treatment. I feel that the theme "How to Teach and How to Teach More Effectively" is a very good one.

K. T. Keller, President of Chrysler Corporation, has said.

"In this age of atomic energy and other wonders it is easier to glamorize achievement than to explain it or to understand it."

So let me ask the question, "Have all factors been considered and measured?" For *when the facts are known*, all decisions *rest finally* on judgment and experience. With *experience* we can calculate many possible eventualities and with judgment we can lay a course which seems to have the best chance of success and the least chance of failure.

To summarize—I Believe That:

1. Pharmacy needs a definite public and professional relations program. A brochure appealing to students is very essential.
2. In-service-training of teachers is an important adjunct in the training of the teacher.
3. The member colleges should alert themselves to the rightful place of pharmacy in the public health program.
4. The member colleges should alert themselves to answer the question which has often arisen—"What *can* the School of Pharmacy contribute to a Medical Center?"
5. An extended program is imperative.
6. The Pharmacy Seminar devoted to Teaching which will be held in 1954 should help solve many of our teaching problems.
7. The Pharmaceutical Survey has shown the way and it behooves all member colleges to correlate and integrate all of its constructive findings into a better pattern of pharmaceutical education.
8. All our problems in pharmaceutical education should be subjected to the four-way test of Rotary, which is:
 1. Is it the Truth?
 2. Is it fair to all concerned?
 3. Will it build good will and better friendships?
 4. Will it be beneficial to all concerned?

Recommendation—WHEREAS, I have been reliably informed that the American Association of College Teachers, the American Association of Medical Colleges and the Association of American Colleges each have committees which meet jointly with a committee of the American College of Public Relations Association to study the problems of public relations in their respective fields.

I therefore, recommend, that a public relations committee on pharmaceutical education be appointed. This committee is to consist of two or three members and the committee is to be instructed to request the A.C.P.R.A. to nominate two or three members of their Association to meet as a joint committee to initiate a study of the public relations problem as it pertains to pharmaceutical education.

In conclusion, I desire to state that I have enjoyed immensely the privilege of meeting with the members of the Executive Committee. I have also derived

a great deal of satisfaction in attending the district meetings to which I was assigned.

This gave me a splendid opportunity to observe the thinking of the members of the profession in different parts of the country. As your president, I shall endeavor to do everything in my power to promote the interests of the Association and of the field of Pharmacy. With your wholehearted cooperation I am certain that this can be accomplished.

—Edward C. Reif

DOCUMENT S

REPORT OF EDWARD C. REIF, PRESIDENT A.A.C.P.

Boston, 1954

We are met in convention in Boston, a city known for its greatness for over three hundred years. In the period of its existence, many event have occurred that have received their impetus from happenings in and around this area. Its growth has equaled its greatness, for today Boston has the largest population of any of the state capitals.

“Proper” is an adjective that has been applied to Bostonians, but you may be sure that Bostonians have never construed “Proper” to mean stuffy or unchanging. This city and its environs have been the starting point for great social upheavals, as well as more quiet undertakings that have left their mark on society. In the course of our sessions here in Boston, we will be called upon to make a decision that will be far reaching in its effect on the body pharmaceutic and through this, on all of society. I sincerely hope that all of us become imbued with the spirit of Boston, so that whatever action we take will be judged “Proper” in every sense of the word.

If environment has any effect on the action of men, I would say that we remained away from Boston far too long, for this is our first visit to this city in forty-three years. Had we made Boston a more frequent stop on our convention schedule, and if the total effect of the Boston environment could be measured, perhaps this far reaching decision of 1954’s session would be behind us.

Yes, forty-three years is a long time to be away from Boston, but this is how the record stands. The most recent meeting of the American Pharmaceutical Association was held here in 1911. The old Conference of Pharmaceutical Faculties met here at the same time.

At that time, there was no American Association of Colleges of Pharmacy, the Conference served in its stead. There is one thing that stands out from the records of that meeting of forty-three years ago—pharmaceutical education had its problems in those days, just as it has its problems today.

The major problem at that time was the implementation of an agreement

that each and every school of pharmacy was "pledged to demand of (its) matriculants a minimum of one year of completed high school or its equivalent." J. O. Schlotterbeck, in his presidential address given at the American Conference of Pharmaceutical Faculties said,

"This step constitutes an epoch in our history and ought to be one of the bright spots of our history."

I do not believe that I need to dwell on the problems that pharmaceutical education is faced with today. I am going to take a few moments of my time to state that the history making step of 1911 was every bit as overwhelming in some minds of that time, as is the decision that we must make in 1954 in reference to the extension of the educational requirements of our pharmacy matriculants.

There has been published a voluminous amount of material in the pharmaceutical press presenting both sides of the so-called "five-year" program. In addition, the problem has been discussed at great length for several years past at district meetings of the A.A.C.P. and N.A.B.P., at many county, state and national associations of pharmacists, and in fact, wherever pharmacists and educators gather.

If you are agreed with me that the intent of this proposed program is not the extension of professional pharmaceutical education by even one single day, but rather, the requirement of one or two years of pre-professional studies as a basis for this professional training, the action to be voted on at this meeting will be passed. If we are concerned with producing better educated, more broadened graduates, we will take favorable action on the proposal.

I need not remind you of the recommendations of the Pharmaceutical Survey, nor recall to your minds the attempts in the past several years to get action on the proposal before us. In the past, there were questions of form, or of constitutional procedure. Today, the form of the proposed changes is correct, the provisions of the constitution have been carried out, the way has been shown for the colleges by the 1953 recommendations of the National Association of Boards of Pharmacy. All we must do is decide our course of action.

The proposed change in educational requirements, although a major consideration of this administration, was not the only concern of the past year. Several other projects took much of our attention.

Since I believe that a responsibility of a president to his constituency is a year-end report, the remainder of my remarks will be a review of the activities of 1953-54 as they affected or were affected by the Association.

There are those of you who will recall the special emphasis that was placed on the subject of Public Relations in my address at this time a year ago. Since that time, there has been much accomplished in the area of bettering pharmacy's relations with the public.

The National Association of Retail Druggists has expanded its merchandising and promotional advertising program to include institutional messages that are published regularly in leading consumer magazines. The impact of these messages can mean much for the better understanding of the profession of pharmacy.

The National Pharmaceutical Council has begun its operations under the supervision of the ever capable Newell Stewart. The stated purposes of this council of manufacturers *as they relate to public relations* deserve the best wishes of all who are interested in a better profession of pharmacy.

A number of district meetings, state association conventions, and other drug meetings have placed particular emphasis on public relations during the past year. All of these efforts have done and can do much for increasing the public's expression of good will toward pharmacy. These groups are to be commended for the actions they have taken in this very important area of our professional life.

The last item to be discussed in the consideration of public relations is the joint committee on public relations for pharmaceutical education of the American Association of Colleges of Pharmacy and the American College Public Relations Association. You will hear the report of this committee later in the course of this meeting. I should like to request a vote of thanks from our Association to the A.C.P.R.A. for providing us with the able and interested members whom we found in Mr. De Camp and Mr. Wilcox. The preliminary work of this committee has been so worthwhile that I recommend its continuation for the 1954-55 year as a special committee of this Association with the A.C.P.R.A., with a budget of \$500.00 to enable the committee to initiate its program as will be presented in its report.

The A.A.C.P. Brochure, "*Shall I Study Pharmacy?*" will be covered in detail in the report of Secretary-Treasurer Deno, but I should like to cite some outstanding uses to which this publication has been put. One of the nation's largest wholesalers has made this publication available to every pharmacist who requests copies. A vice-president of a manufacturing house has his firm contact every physician in the country, offering copies of the brochure to every young person interested in studying pharmacy, with whom the doctor came in contact. This has a two-edged effect, not only are prospective students directed toward pharmacy, but physicians who read the booklet may become more aware of the educational requirements of their fellow-members in the healing arts. Many state associations have arranged for distribution of the brochure to guidance counselors in high schools in their states. Some chain store presidents have entered into cooperative arrangements in the distribution of the brochure with organized associations of pharmacists.

Not only has the brochure stimulated interest by itself, it has also led to the

production of a great number of ancillary publications, aimed at presenting the story of a particular school or college of pharmacy to accompany the A.A.C.P. publication. These publications range in style and format from sheets of extra information to lavishly printed booklets on the merits of a particular school of pharmacy. It would be well for all schools to work closely with their public relations departments in promotions such as this.

In addition to the brochure, another publication aimed at increasing interest in the study of Pharmacy has made its appearance. This is the Briggs talk, "The Bridge Between," which is being distributed in printed form by the National Association of Chain Drug Stores to guidance counselors and interested students. All of these methods are excellent and should be continued as a permanent part of the project of recruitment of high quality students for the study of pharmacy.

As your president, I have attended two district meetings of the A.A.C.P. and N.A.B.P., in addition to my own district. I attended the convention of the N.A.R.D., the A.Ph.A. conference on professional relations, and the interim meeting of the executive committee. In all of these sessions, it is clear that there is much constructive thinking brought forth concerning the profession of pharmacy. It is unfortunate, however, that there is too great a lapse of time between the end of a session and the dissemination of reports. I am speaking in particular of some of our own districts. While the resolutions adopted at the district meetings are rapidly transmitted to the executive committee, the complete proceedings which contain many important papers and discussions often do not come into the hands of member schools for many months after the meetings.

In my opinion, it is an obligation of the A.A.C.P. to assume financial responsibility for the publication of the proceedings of the district meetings in order that these proceedings may be transmitted to member colleges prior to the annual meeting of the A.A.C.P. I recommend therefore, that this matter be referred to the executive committee for study and implementation.

One of the concerns of this administration was the delineation of duties for the officers of the Association. With this in mind, Dr. George Webster was asked by Past President Daniels and myself to outline the duties, responsibilities and functions of every officer in the association. I am sure that Dr. Webster will make his usual fine report on this assignment, and in anticipation of this report, I recommend that an officers' manual be prepared, in which the specific duties, functions, responsibilities and obligations of the officers of this association be listed, so that when any change in administration occurs, incoming officers will be prepared to assume their offices with a minimum of delay and possible confusion to the association.

The Teaching Seminar which was recently held proved to be one of the best attended and most fruitful of the entire series of Seminars. With the in-

terest shown by the numbers of younger faculty members who journeyed to Storrs, Connecticut, I have confidence in the future educational standards of pharmacy. These Seminars afford *opportunities for any qualified leader to achieve noteworthy results in the profession of pharmaceutical education.*

Because of the excellence of the program, and for the exceptional arrangements at Storrs, I recommend that; a vote of thanks be extended to Dean Harold G. Hewitt, Chairman of the 1954 Teaching Seminar, and through him, to all of the very capable members of his committee.

The Association should again express its thanks to the American Foundation for Pharmaceutical Education for its support of the teaching seminars, and for its many other endeavors in behalf of pharmaceutical education.

The next few days will bring forth many ideas and plans as presented by the members of the standing and special committees of this association. It is a source of great satisfaction to your president that every committee has functioned during this year, and that the members of the staffs and faculties of our busy schools and colleges of pharmacy were so gracious in their acceptance of the added duties of committee chairmanships and committee memberships. For all of you who have labored in the vineyard of pharmaceutical education, my thanks for what you have accomplished.

It is no more than fitting that I pay special tribute to the members of the Executive Committee for the splendid cooperation that I have received in this past year as president of the American Association of Colleges of Pharmacy, and that I hope that my actions have repaid in some measure the trust that all of you displayed in elevating me to this office. To the officers who will assume their duties at the end of this session, I offer my pledge of full cooperation in their programs for the advancement of pharmaceutical education.

Thank you all for the privilege of serving pharmacy as president of this Association.

—Edward C. Reif, *President*

DOCUMENT T

THE PHARMACIST AS A MEMBER OF THE HEALTH TEAM

ROBERT A. MOORE

Pittsburgh, April 12, 1954

May I first express the appreciation of Mrs. Moore and of myself for your presence here this evening and for the warm welcome you have given us. It is heartening to one who has assumed a new task in a new city to be received with the graciousness and hospitality you have shown.

The problems of pharmacy and of pharmaceutical education are almost entirely new to me. It is true that as a medical student I attended and passed a classical course in materia medica and pharmacology, and I do mean classical. We practically memorized the little red book, which I still have in my office, entitled "Epitome of the U. S. Pharmacopoeia and National Formulary". I wrote prescriptions every day and compounded some, but I was not subjected to the discipline of the professor of pharmacology in another school with which I was later associated, who served notice on the first day of the course that one fatal dose of a drug in one prescription written gave an automatic failure in the entire course. I do agree that when one is dealing with human life there is no penalty too great for a gross deficiency of knowledge.

However, my practical use of the knowledge I gained in materia medica and pharmacology has been sharply limited. Although I hold a license to practice medicine in Missouri and hope to secure a similar license in the Commonwealth of Pennsylvania, I have never practiced medicine. My specialty, as I am sure you know, is pathology. I have therefore, I must confess, never written a prescription or prescribed a drug as a practicing physician since the day I graduated from medical school, twenty-six years ago this June at the Ohio State University. I hasten to add that if the Commonwealth sees fit to issue a license to me, I do not intend to practice. I have asked for it only in what I believe is proper courtesy that all physicians in a state should qualify for and hold a license.

It is therefore clear to all of you that my grasp of the problems of pharmacy and pharmaceutical education is not such that I can discuss intelligently with you today any directly related ideas and opinions. I do pledge you that I will make every effort to inform myself so I can work with the faculty in developing the school and its educational program. In fact, my own education has already been undertaken by your able Dean Reif. In numerous conferences in the last six months he has been considerate and thoughtful of my ignorance. I look forward to continued association with him and to closer contact with the faculty. In addition, I have read a number of books and reports on pharmaceutical education.

It is a principle of education and of knowledge that new information and new concepts are arranged in the mind of the learner on the framework of existing information and concepts. From time to time old information and old untenable concepts are discarded. It is this process that I have been pursuing for the past six months in relation to pharmacy. I would like this evening to "think out loud" with you on some problems of health education in a university with particular reference to pharmaceutical education. I emphasize that "thinking out loud" is not the same as expressing an opinion or arriving at a conclusion or decision.

Shortly after I accepted the position of vice chancellor of this university I gave some thought to the preparation of a directive to myself. Clearly it was not to try to serve as super dean of each of the five schools for which position I was not qualified. Rather my task was to think of the health professions collectively and leave to the deans and faculties of each school the responsibility for the units of the health professions. My directive was and is as follows:

First, to help create for the students and faculties a social environment in which there will be a full realization of the position of health and of those in the health professions in our society and our civilization.

Second, to bring together the students and faculties of all professions in an educational environment which will provide a stimulating experience, which will permit each to realize his or her full intellectual, civic, and spiritual potentialities, and which will prepare them to serve the people in their chosen profession.

Third, to provide administrative lines which recognize the unity of the health professions, the distinctive needs of each profession, and the collaboration of those interested in the same scientific field.

In my preceding discussion, I have spoken repeatedly of the professions or of a profession. Let me say at once that I recognize pharmacy as one of the health professions. Health care could not be provided without the pharmacist. He occupies a distinctive place in the health team and I have chosen as the title of this talk, "*The Pharmacist as a Member of the Health Team.*" I use the term profession in contrast with vocation or trade and when we contrast two situations or things we should have criteria for the separation. I believe the criteria of the professions put forward by Dr. Abraham Flexner many years ago are still sound and are the best expressed.

1. They involve essentially intellectual operations accompanied by large individual responsibility.

2. They are learned in nature, and their members are constantly resorting to the laboratory and seminar for a fresh supply of facts.

3. They are not merely academic or theoretical, however, but are definitely practical in their aims.

4. They possess a technique capable of communication through a highly specialized educational discipline.

5. They are self-organized, with activities, duties, and responsibilities which completely engage their participants and develop group consciousness.

- And 6. They are likely to be more responsive to public interest than are unorganized and isolated individuals, and they tend to become increasingly concerned with the achievement of social ends.

In the report entitled, "Findings and Recommendations of the Pharmaceutical Survey, 1948" published by the American Council on Education there

are two short statements related to this problem of professions and the professional man. One is the first item under the title of "Common Understandings of the Committee." It states, "The pharmacist must be a professional man who understands thoroughly what he is doing, who comprehends the scientific bases of drugs and drug action, who is able to evaluate critically the products he handles, who is competent to advise physicians and members of the other health professions concerning drugs and their uses and who works at his profession creatively and advances its service."

Previously I have referred to the schools of the health professions and a health center in a university atmosphere. Let us attempt to delineate the essential components of the schools and center. As I see it there are four essential components.

1. A superior student body
2. An able faculty
3. A sound educational program
4. Adequate physical facilities

With these four generalities—a directive to myself for the schools of the health professions and the health center in Pittsburgh, the criteria of the professions, the objectives of pharmacy, and the essential components of a university health center, let us get on with this task of "thinking out loud" with particular reference to pharmacy.

First, the provisions of health care will increasingly depend on team work. There are many members of the team, some at the professional level and some at the technical level. Let us review for just a moment a patient with a peptic ulcer who is admitted to a hospital under the care of an internist specializing in gastro-enterology. Within minutes of admission he comes in contact with a nurse. The same or next day he goes to the X-ray department where the radiologist and X-ray technicians make observations and take and develop pictures after swallowing a radio-opaque compound provided by the pharmacist. Soon the pathologist and the laboratory technician do blood counts, urinalyses and other tests and evaluate them. The dietitian is called in to utilize her knowledge of foods and nutritional elements. Perhaps medical treatment is decided upon and the pharmacist is asked to provide certain compounded powders. Or maybe surgical treatment is the one of choice and the dentist is asked to survey the state of oral hygiene before an inhalation anesthetic is administered. At some stage the medical social worker interviews the patient and surveys the socio-environmental factors in his life and home which may have contributed to the formation of the peptic ulcer. On discharge the medical record librarian carefully reviews and preserves the record so that it will be useful in future treatment and follow-up of the patient. Although I could go

on and bring in many others such as the expert in psychosomatic medicine, the psychiatrist, the anesthesiologist and others these few are sufficient to make the point.

Health care as it is practiced is team work under the leadership of the member of the team who is directly responsible for the patient. If this be true and I believe it is, then the education of the members of the team should be carried out under analogous conditions. It is this reasoning which has led me to recommend to the Chancellor and Trustees and they have accepted, that we bring the four schools of the health professions—medicine, dentistry, nursing, and pharmacy, into the closest physical and intellectual collaboration.

This means first that we are planning and will start to build in early June of this year one building on DeSoto, Terrace, and Lothrop Streets to house all teaching, department, and research activities of the four schools. It is expected the building will be ready for occupancy at the opening of school in September, 1956. There will be a common student center, a common library, a common auditorium, and common lecture and seminar rooms. Laboratory facilities will be used by different schools in relation to the actual schedules.

This program means, second, that those of like scientific interest will have their own offices and research laboratories in the same general area. It does not mean that the faculty of the School of Pharmacy will be on one floor, and of the School of Medicine on another floor, but rather that all the pharmacologists of all schools will be on one floor and all the pathologists from all schools on another floor. The program of physical and intellectual contiguity does not include educational and administrative integration. Let me repeat the third directive to myself, "To provide administrative lines which recognize the unity of the health professions, the distinctive needs of each profession, and the collaboration of those interested in the same scientific field." Each school is to have its own faculty, responsible to the dean of that school for the educational program and teaching in that profession. This is a program of collaboration by team work, not a program of integration and fusion.

Now, let me "think out loud" about this matter of faculty which I have just mentioned. It is my firm belief that high quality university education cannot be provided without a core of faculty who devote themselves primarily and largely to education and research within the school and health center throughout the year. However, let us not forget the third criterion of Flexner for the professions, "They are not merely academic or theoretical, however, but are definitely practical in their aims." In other words, those responsible for the instruction of students in the practice of the profession should take some continuing part in this practice. In medicine, the faculties of the clinical departments are responsible for patient care in the hospitals and clinics. In dentistry, the faculty is responsible for dental care in the clinic and hospital.

As I see it, there should be an analagous relation of the faculty of the school of pharmacy.

For intellectual leadership the faculty of the school should be organized into departments. Please note that I justify departments for intellectual leadership not for administrative convenience. I do not know what departments a school of pharmacy should have, but the Pharmaceutical Survey I referred to earlier mentions six broad subjects—pharmacy, physical sciences and mathematics, pharmacology and related sciences, microbiology and public health, pharmacognosy, and pharmacy administration.

A faculty has many responsibilities all related and it is difficult to say which is the most important. The first and primary reason for the existence of a faculty is to provide opportunities and an atmosphere in which students may learn. By this wording I imply and mean that learning is more important than teaching. One of the Specialty Boards in Medicine has expressed this idea well in the following, "The Board is interested in the fact that the candidate has embarked on a career of study voluntarily and has thereby expressed the desire to excel and to participate personally in the world's progress. . . . The responsibility of acquiring the knowledge rests with the candidate. . . ."

A second obligation of a faculty is to advance human knowledge. There is a direct and an indirect reason for this obligation. The direct reason is that each of us owes it to our heritage to leave the world a better place in which to live and this can be done only by adding to knowledge. The indirect reason is that a faculty member should be able to stimulate the imagination and curiosity of the students and I doubt he can do that unless he has a large "bump of curiosity" himself as to drive him to seek out the truth about something—that is to do research. This second reason assumes major significance if a program of graduate education is to be undertaken and I believe all the schools of the health professions should have graduate programs leading to degrees of Master of Science and Doctor of Philosophy.

This topic of the responsibilities of a faculty lead into a related area of the fields of activity of the members of the health team. Every member of the health team has a limited field. The physician does not qualify to fill a root canal. The dentist does not attempt to treat a patient with cirrhosis of the liver. The nurse does not presume to evaluate the microscopic section of a tumor of the breast. I do not imply that the limits of each are set in perpetuity but I do mean that no member of the team should assume responsibilities beyond those for which his own training is adequate. Human life is too precious to be placed in danger with inadequate knowledge.

Now, let us continue this process of "thinking out loud" on the type of students. The university health center revolves about students and patients. The students are the basic element of a university. One of my great concerns is the

provision of admissions policies and educational opportunities so excellent that the loss from admission to graduation will be small. A school has an obligation to salvage all students who drop by the wayside if it is possible. The record in pharmacy throughout the country is that 40 per cent of students admitted never graduate. It is true that this is somewhat better than the average for college students but it is far too high for a professional school. I do not know whether the fault is poor admissions policies, or poor educational program or lack of counselling, but I hope this school can make a contribution to solution of the problem. If all three are good the loss should not exceed 10 to 15 per cent. I propose to have a professional staff in the vice chancellor's office who can assist each of the schools in an attempt to correct the situation.

Finally may I speak more directly to those of you here this evening as representatives of the community, either as practicing pharmacists or from industry. The Trustees of the University have outlined the duties of the vice chancellor. One of these is—"To stimulate broad interests in health and hygiene to the end that the greatest good will result to the people of Pittsburgh and Western Pennsylvania and at the same time be of benefit to the country at large and mankind in general." I interpret this to mean the schools of the health professions should be a part of the community, and serve the people of the community. This includes serving the professional groups of the community by offering refresher courses, continuation courses, and special lectures.

In conclusion, may I again express my appreciation for your presence here this evening. I bespeak your tolerance of an administrative officer who believes that educational matters should be decided by educators, that professional education is in the public service, that health is a unity and health care requires team work, and that the best administrator is one who administers least. I bespeak your cooperation and support in creating in Pittsburgh a truly great health center.

—Robert A. Moore

DOCUMENT U

THE UNIVERSITY'S GENERAL PURPOSES AND THE SCHOOL OF PHARMACY'S PURPOSES

THE UNIVERSITY'S GENERAL PURPOSES

The University has the following purposes and aims toward its student body:

To draw out, cultivate, excite, and inspire the full development of each student.

To create an atmosphere in which students will learn to think; where faculty and students will be critical enough to be objective and at the same time

have faith enough to be constructive—where they will seek truth, solve problems, reason, and develop the power of thought.

To help students establish values through intimate acquaintance with the humanities, the arts, the natural sciences, the social sciences, and religion.

To develop the character of students—integrity, honesty, judgment, cooperation, friendliness, and good will.

To create a community of scholars where research, curiosity, free inquiry, and discovery advance knowledge.

To provide competent, well-trained professional leadership for one of the world's most important industrial areas.

To prepare men and women for citizenship in a democratic nation where freedom and liberty go hand in hand with law and justice and where responsibility, national and international, is a characteristic of the individual.

SCHOOL OF PHARMACY'S PURPOSES

The School of Pharmacy has the following purposes:

To equip young men and women for successful careers in the profession of pharmacy.

To promote competency in the fundamental arts and sciences upon which pharmacy is based.

To develop proficiency in the technology of pharmacy.

To instill an appreciation for the ethical and professional obligations of pharmacists.

To cultivate the capacity to co-operate constructively with members of the other health professions.

To familiarize the student with the principles of good business in order that he may become economically competent.

To enable the student to become professionally capable of keeping abreast of, and contributing to, the advances of pharmacy in the future.

To establish habits of self-reliance and facility in group action through student organizations as a basis for future professional activities.

APPENDIX VI



ALUMNI

- Aaron, Frank Xavier, '05, PHAR.D.
'11
- Abram, James William, '49
- Abram, Robert Newcombe, '30
- Abramovitz, Mary, '26
- Abrams, Mrs. H. L., '19
(see Edna Muriel Jacobson)
- Abrams, Louis, '26
- Acker, Vincent, Jr., '24
(see Vincent Akucewicz, Jr.)
- Acklin, James William, '14
- Adams, Frank Mowery, '42
- Adams, Milford Scott, Jr., '57
- Adamson, Clyde Ford, '32
- Adelson, Marvin B., '57
- Adzema, Robert Peter, '50
- Agey, William Henry, '30
- Agnello, Mary Columbia, '49
(now Mrs. Mary Wills)
- Agnew, William Chalmers, '34
- *Agostinis, Caesar A., '14
- Aiello, Peter Lee, '28
- Aiken, Arthur Wayne, '09
- *Akucewicz, Vincent, Jr., '24
- Alacan, Armando Jose, '17
- Alam, Halim G., '54
- Albert, Harry Edgar, '43
- Albert, Leslie Earl, '09
- Albert, William James, '31
- Albrecht, Stuart Leo., '52
- *Albright, Clyde E., '01 (Scio)
- Albright, Harry C., '01 (Scio)
- Alcott, Charles William, '31
- *Aldenderfer, Charles David, '94
- Alderisio, Joseph Alfred, '31
- Alderisio, William Earl, '35
- Aldridge, Mrs., Alice, '92 (Scio)
- Aleo, Casper, Jr., '50
- Alexander, Howard John, '09
- *Alexander, Thomas H., '13
- Algeo, Thomas Lee, '18
- Alleman, William H., '16
- Allen, Andrew C., '05 (Scio)
- Allen, Charles Theodore, '31
- Allen, Daniel James, '30
- Allen, Edward S., '94
- Allen, Elvern Thomas, '08
- Allen, Horace Elmer, '10
- Allen, James V., '51
- Allen, John Lee, '08
- Allender, Frank Thomas, '17
- Allendorfer, Emil Harry, '13
- *Allison, Bertram Jonathan, '13
- Allison, Ennis W., '04
- Allison, Marvin Hanna, '34
- Alloway, Charles Blake, '17
- Alloway, Rawle Allison, '20
- *Alloway, Samuel Bascombe, '15
- Alloway, S. Bascombe, Jr., '57
- Alm, Henry Ludwick, '12

*deceased

- Altany, Albert Anthony, '35
 Altland, Walter B., '07 (Scio)
 Altman, John Francis, '48
 Altman, Louis, '25 (*now M.D.*)
 *Altmeyer, Joseph Bernard, '17
 Altshuler, Arnold, '41
 *Altshuler, Julius, '43
 Alvino, Ernest Eugenio, '11
 (*now D.D.S.*)
 Alvino, Lorenzo, '10, PHARD.D. '11
 Amdur, Allen Herzl, '24
 Amicone, Michael Anthony, '49
 *Ammann, Henry, '07
 Amos, Georganna, '00 (Scio)
 (*now Mrs. Ruledge*)
 Amsler, Ira Glenn, '06
 Anderson, Charles Andrew, '41
 Anderson, Elmo Moleo, '08
 Anderson, Esther, '21
 (*now Mrs. Robert McHenry*)
 Anderson, Harvey Clayton, '18
 Anderson, James Henry, '26
 Anderson, Wilbur Charles, '37
 Anderson, William Bremner, '37
 Annan, William Donald, '22
 Anschuetz, William Charles, '44
 *Ansley, B. Clarence, '93 (Scio)
 Anthony, Cecil, '17
 Antram, Charles Evans, '29, '30
 Antram, Charles W., '96 (Scio)
 Applbaum, Max Harold, '29
 Aquara, Anthony C., '20
 Aquilino, Violet Marie, '42
 (*now Mrs. J. A. Tamburo*)
 Aquin, Sister M., '26 (*see Sister M.*
 Aquin Steinkirchner)
 Arbuckle, John, Jr., '51
 *Archibald, Robert, '10
 Arfield, Julius, '23
 Argyros, Christopher, '55
 Arlow, Samuel Edward, '54
 Armbruster, Henry, '49
 Armor, William Russell, '56
 Armour, Edwin R., '53
 Armstrong, Alfred, '05
 *Arn, Godfrey, '89 (*was M.D.*)
 Arney, Mabel Foster, '17
 Arnold, William Charles, '09
 Asbaugh, T. R., '07 (Scio)
 *Aschman, Frederick T., PHAR.D.
 HON. '97
 Ashcom, John Raymond, '16
 Atkinson, Mary Elizabeth, '03
 *Aufmann, Elmer, '30
 Augustine, Philip Joseph, '38
 Aul, Edward J., '02
 Ault, Ray E., '08 (Scio)
 Ault, Schooley D., '07 (Scio)
 Austin, Charlotte Louisa, '16
 Austin, John Lee, '20
 Auth, Emerson Lamont, '03
 Averbach, Abraham, '25
 Averbach, Dorothy Louise, '25,
 Hosp. Tech. '28, B.S. '31
 (*now Mrs. E. Steiner*)
 Averbach, Victor Philip, '22
 Avner, Samuel, '28, Hosp. Tech.
 Ayres, Oliver Steward, '22
 Aynardi, Mrs. M., '49
 (*see Bertha Vignovich*)
 Babalis, William John, '43
 (*now M.D.*)
 Babin, Joseph, '55
 Bacha, Helen Mary, '21
 (*now Mrs. George Toth*)
 *Bachman, Carl Frederick, Jr., '93
 (*was M.D.*)
 Bachman, Fenton Leroy, '28
 Bachstrom, James A., '49
 Backus, Alexander, '55

- *Baderschneider, Russell George,
'25, '26
- Baer, Arthur L., '14
- Bahler, Albert F., '97 (Scio)
- Bahm, Alfred Irwin, '29
- Bahm, Marvin M., '53
- Bahurow, Nicholas, '37
- Baier, Albert E., '17, '20, P.H.C.
- Baiers, Frank Joseph, '36
- Bailey, Mrs. Donald, '49
(see *Betty Eileen Estep*)
- *Bailey, Edward, '21
- Bailey, Leon Earl, '26
- Bailey, Mrs. Mary Ella, '45
(see *Mary Ella Engle*)
- Bailey, Mrs., '22
(see *Jessie B. McEnbeimer*)
- Baily, Earl, '09
- Bair, W. C., '99 (Scio)
- Baird, E. H., '99 (Scio)
- Baird, Joseph Armstrong, '00
(now M.D.)
- *Baird, George James, '08
- Baker, David Laird, '29
- Baker, Mrs. Philip, '35
(see *Lillianne Jane Cohen*)
- Baker, William Herbert, '31, '32
- Baldwin, Merl William, '20
- *Baldwin, Roy Walker, '15
- Balogi, Joseph F., '20
- Balsley, Mrs. Roy, '13
(see *Oralie Mary Carlton*)
- Bandy, Alton Walter, '51
- Bandy, Edwin Henry Lewis, '35
- Bandy, Lewis Abram, '08
- Bane, Charles Raymond, '34
- Bane, Martin Francis, '26
- Baney, Robert Sheasley, '43
- Banks, Parks Rayburn, '24
- Baptista Sister, '21 (see *Sister M. Baptista Jochum*)
- Barad, William Leonard, '43
- Baran, Ethel Marie, '58
- Barbarini, Fred, '49
- Barber, Harriett Alvaria, '10
- Barbuto, Frank E., Jr., '57
- Barclay, Paul Quinn, '20
- *Barcus, Glenn Warren, '28
- Bardin, Charles, '41
- Barent, Marvin, '53
- Barfield, Samuel, '50
- Barich, Louis Luke, '53
- Barkey, Theodore Roosevelt, '24
- Barkley, Clyde Roy, '06
- Barkley, Harvey F., '01
- Barkley, Ray McKlveen, '12
- Barmen, Edward, '28
- Barmen, Harry, '28
- Barnes, George C., '03 (Scio)
- Barnes, Robert Theodore, '29
- Barnett, James Dougan, '93
- Barnett, Jerry Harrison, '21
- *Barnhart, J. Russell, '02
- Barnhart, William I. B., '17
- Baron, Joseph F., '49
- Barone, Charles Angelo, '31
- *Barr, DeWitt Campbell, '15
- Barr, Harry E., '03 (Scio)
- Barr, James E., '00
- Barrett, James Francis, '22
- Barrett, John Francis, '30
- Barrett, Mrs., '24, '27
(see *Lillian Sophia Burkett*)
- *Barron, Frank Robert, '24
- Barron, Philip, '22
(see *Philip Berinbaum*)
- Barsky, Albert, '53
- Barth, Ralph John, '22
- Barthels, Robert Henry, '34
- Bartholomew, Park W., '14
- Bartholomew, Thomas, '02

- Barton, Mrs. William G., '23, '25
(*see Madelyn Krugb*)
- Bartunek, John, Jr., '28
- Basilone, Angelo Filbert, '30
- Bassar, Melvin, '52
- Bast, B. Frank, '14
- Bast, George C., '17
- Battaglia, Mrs. Herbert, '31
(*see Margaret Leonard Bice*)
- Bauer, Albert Joseph, Jr., '43
- Bauer, Edward James, '31
- Baumgartner, R. Paul, Jr., '56
- Baver, Aida, '52
- Baver, Saul, '30
- Baxter, Alex Walker, '26
- Bayer, James Edward, '36
- Bayer, Harvey Arnold, '40
- Bayer, William James, '31
- Baynham, Thomas Henry, '27
- Baynham, Thomas Henry, Jr., '53
- *Beach, C. H., '84
- Beal, Clan A. J., '19
- Beal, George Denton, PHAR.D., '07
(Scio)
- Beale, Karl Edwin, '31
- *Beam, Frank A., '85
- Beam, George T. N., '94, PH.C.
(Scio)
- Bearer, Walter Joseph, '07
- *Bearl, Harry Austin, '10
- Beck, Daniel Herman, '03
- Beck, Herman Daniel, '40
- Beck, Lewis N., '94 (Scio)
- Beck, Lou, '22
- Beck, Winton Henry, Jr., '36
- Beck, Mrs. Winton Henry, Jr., '38
(*see Betty Josephine Haeckler*)
- *Becker, Sister Clementine, '11
- Beckley, James P., '88
- Beedle, Willa Ruth, '49
(*now Mrs. Fellner*)
- Beegle, John C., '17
- *Beer, J. Lyndsay, '01
- Beers, George A., '94 (Scio)
- Bees, Merwin Charles, '32
- Beetham, A. C., PH.C., '93 (Scio)
- *Beighley, Carl C., '19
- Beighley, Stanley Roy, '31
- *Beighley, William Albert, '14
- *Beilstein, Albert, Jr., '04
- Beilstein, Walter, '06
- *Bejenkowski, John S., '05
- Bejenkowski, Leo K., '14
- *Bejenkowski, Stella Celina, '21
(*see Mrs. Walter J. Harenski*)
- Belak, Samuel G., '51
- *Belgrade, Hector Angelo, '24
- Belina, Mary Jane, '21
- Belkin, David, '53
- *Bell, James Gerald, '24
- *Bell, James Henry, '20
- Bell, Mrs. James H., '19
(*see Alice Heimlich*)
- Bell, Thomas Edward, '54
- Bell, Thomas Edward, '29
- Bell, William Plummer, '25
- Bell, William Raymond, '06
- Bell, William Raymond, Jr., '29
- Belle, Herman Shirley, '19
- Belle, Julius Henry, '22
- Belt, Raymond A., '07 (Scio)
- Belzner, Harold W., '24
- Bender, Louis Washington, '13
- Benedum, Ralph Chase, '07 (Scio)
- Benjamin, George Robert, '03
- Benjamin, George Robert, Jr., '40
- Benjamin, Mrs. George Robert, Jr.,
'40 (*see Elvira Stella Gillespie*)
- Benko, Paul, '23
- *Bennett, Fred T., '02 (Scio)
- Bennett, Harvey Russell, '15
- Bennett, John Wesley, '29

- Benza, Andrew, '53
 Beran, Edward Norbert II, '56
 Beran, Robert Charles, '49
 *Berchmans, Sister Mary, '24
 (*see Sister Berchmans Shields*)
 Bercia, Peter J., '51
 Berg, Albert Leonard, '08
 Berg, Francis Elmer, '21
 Bergad, William, '32
 Berger, Arthur, '50
 Berger, Harry, '25
 Berger, James M., '51
 Berger, John Andrew, '23, '24
 Berger, Samuel, '36
 Bergert, Howard M., '09
 Berinbaum, Marcus, '22
 Berinbaum, Philip, '22
 (*now Philip Barron*)
 Berkley, Joseph Adam, '28
 Berkowitz, Adolph Maurice, '17
 Berkowitz, Samuel Martin, '21
 Berkson, Alvin Abe, '23
 Berman, Samuel Barr, '17
 Bernstein, A. Leonard, '58
 Bernstein, Jacob, '31
 Bernstein, Joseph, Jr., '25
 Berry, A. Bruce, '99 (Scio)
 Berry, Gertrude, '02 (Scio)
 (*now Mrs. S. M. Strain*)
 Berry, Robert Earl, '39
 Berry, Robert McClure, Jr., '30
 Beyer, Fred W., '12
 Beyer, Jane, '37
 Beyer, John, '49
 Beyer, Joseph Anthony, '49
 Beyer, Mrs. Joseph, '37
 (*see Carmella Nicolina Caro*)
 Beyer, Millard Fillmore, '26
 Bianco, Jacint Eugene, '54
 Bianco, Peter Antonio, '26
 Bianculli, Italo Alfred, '39
 Bianculli, Joseph Amedeo, '35,
 PH.D., Graduate School
 Bianculli, Thomas Arthur, '40
 Bianculli, Victor Marie, '39
 Bianculli, Virgil Dante, '44
 Bice, Mrs. Margaret Leonard, '31
 (*now Mrs. Herbert Battaglia*)
 Bickerton, Robert Keith, '56,
 M.S., '58 Graduate School
 Bickes, Edward C., '06 (Scio)
 *Biedenbach, Charles Edward, '08
 Biederman, Sam, '21
 Bierwirth, Elmer, '15
 Bigman, Aleck Edward, '49
 *Bimber, Carl, '95
 Bippus, E. S., '03 (Scio)
 *Birchard, Charles F., '89
 Birchard, Vere L., '07
 Birmingham, Joseph Eugene Jr., '44
 *Bischoff, L. J., '90
 Bisel, William Edie, '15
 Bishop, John Walter, '12
 Bishop, Kenneth Earl, '51
 Bissell, James Thomas, '25
 Bitner, Guss A., '17
 Bittner, Frederick C., '93
 Bittner, Lionel DeVernon, '21,
 Hosp. Tech., '22
 Bixler, Walter Smith, '12
 Black, Bessie, '28
 *Black, Ira A., '08
 Black, Perry Newton, '13
 Black, Robert Edward, '44
 Blackburn, Arthur Byron, '49
 Blackburn, Charles Edward, '31
 Blair, Alvin, '33
 Blair, Joseph Edward, '32
 Blake, Robert John, '22
 Blank, Herman Ernest, '39
 *Blank, Herman Gustav, '08
 Blank, Mark E., '49

- *Blayney, Albert Paul, '10
 Blayney, Fred C., '04
 Blayney, Harold L., '05 (Scio)
 Bleier, Abe Herbert, '22
 Blazier, Charles Hummel, '11
 Blid, Harold Frederick, '24
 Blockson, Grace A., '26
 (see Grace A. Jason)
 Blockstein, William Leonard, '50,
 M.S., '53 Graduate School
 Bloom, Bernhard, '23
 Bloom, Cecil Read, '10
 Bloom, Jacob George, '25
 Bloom, Maurice Julius, '31
 Bloom, Max Ralph, '32
 Bloom, Raymond B., '55
 Bloom, Roy Ernest, '30, '31
 Bloor, Paul Leonard, '40
 Blough, Myron E., '50
 Bluestone, Gerald Malcolm, '47
 Bluestone, Harry, '22
 *Bluestone, Henry, '18
 Bluestone, Isadore, '17
 Bluestone, Louis, '22
 Bluestone, Louis, '25
 Bluestone, Mrs. Morris, '27
 (see Ella Gluck)
 Bluestone, Morris, '25
 Blumenschein, Elsie Catherine, '37
 (now Mrs. Harry Bonchosky)
 Blumenschein, Frederick J., '02,
 PHAR.D., '04
 Blumenschein, Gertrude, '41,
 (now M.D.)
 Blumenthal, Alex, '42
 Blumenthal, Harry, '40
 Boake, Felix John, '29
 (see Felix John Bocchicchio)
 Boake, Louis Felix, '41
 (see Louis Felix Bocchicchio)
- Bocchicchio, Felix John, '29
 (now Felix Boake)
 Bocchicchio, Louis Felix, '41
 (now Louis Felix Boake)
 Bodner, Gizella Dolores, '29
 (now Mrs. Stephen S. Segin)
 *Boehm, Charles Henry, '06
 Boerner, Alfred Conrad, '09
 Boettner, William Harold, Jr., '48
 Boggs, Alex W., '88
 Boggs, Mrs. W. E., '23, Hosp. Tech,
 '22 *(see Helen Krugh)*
 Boland, Donald Glen, '25
 Brinker, William Nesbit, '21
 *Bonar, Clarence Russel, '09
 Bonchosky, Harry Joseph, '40
 Bonchosky, Mrs. Harry J., '39 *(see*
 Elsie Catherine Blumenschein)
 Bond, Robert Winfield, '25
 Bondi, Donald F., '53
 Bonn, Morris, '27
 Bono, Frank Anthony, '31
 Bookleiner, Paul, '53
 Boon, Clifford Herman, '50
 *Boreman, Louis, '10
 Bortner, John Gambler, '26
 Bossart, Howard Sylvester, '08
 *Bossart, John Louis, '06
 Bott, Marion Joanne, '33 Hosp.
 Tech.
 (now Mrs. Ralph Edsburn)
 Bottenfield, Edward Ellsworth, Jr.,
 '31
 Botzer, Robert Henry, '53
 Botzer, James Patrick, '24
 *Boucek, A. J., '88 *(was M.D.)*
 Bouch, Russell Thomas, '21
 Boucher, Alan Anthony, '57
 Boucher, Forest LeRoy, '19
 Bourne, James Edward, '29
 Bowater, Joseph Shaffer, Jr., '49

- Bowen, Luther, '32
 Bowen, Luther Randolph, '53
 Bowen, Thomas J., Jr., '53
 Bowen, William John, '52
 *Bowers, Charles A., '97
 Bowers, Paul John, '30
 Bowman, Jacob Sperling, '08
 Bowman, John Adams, '07
 Bowser, Barbara Jane, '45
 (now Mrs. Neal Brindley)
 *Bowser, Perry Frank, '41
 Bowyer, Glenn H., '23
 Boyce, Roland Gerald, '31
 Boyd, David Andrew, '31
 Boyd, Francis Marian, '22
 Boyer, Richard Beryl, '54
 *Boyer, William Burrell, '07
 Boyle, Sister M. Dolorosa, '26
 Boyle, William Carlton, '16
 Brabec, Charles Albert, '29
 Brackman, Albert Adam, '11
 Brackmann, Carl George, '25
 Brackmann, George Henry, '00
 Brackmann, Henry John, '06
 Brackmann, William E., '50
 Bradel, Edward John W., '38
 Bradenberg, Francis, '55
 Bradenberg, Joseph J., '53
 Bradley, Francis Edward, '22
 Brady, Carson Henderson, '18
 Brailsford, George Gerdes, '30
 Brand, Charles Frederick, '38
 Brandl, Herman Joseph, '12
 Brandwein, Lewis Jay, '57
 Brannan, J. Frank, '99
 Brant, Robert Edward, '58
 Brantlinger, Joseph Frederick, '10
 Brattman, Arthur, '31
 Braun, Alfred Eugene, '12
 Brautigan, Charles Henry, '12
 Breakstone, Edgar, '30 *(now M.D.)*
 Brean, Harry, '28
 Breckenridge, William Alvin, '30
 Breece, Charles A., '05 (Scio)
 Brehm, Frederick John Louis, '93
 Brehm, J. Walter, '01
 Brennan, Robert B., '51
 Brenneman, George Emmor, Jr., '42
 Brescia, Mario, '55
 Bresko, Joseph Raymond, '28
 *Breslen, Cormick Francis, '18
 Bresnick, Benjamin, '28
 *Brewster, W. C., '88
 *Breyer, Louis, '13
 Bridges, Robert Edward, '30
 Briggs, John Arthur, '12
 Brindley, Mrs. Neal, '45
 (see Barbara Jane Bowser)
 *Brinker, William Nesbit, '21
 *Brinkoff, Emil L., '05
 Brinkoff, Harry Leroy, '11
 Britcher, Charles Albert, Jr., '38
 Britton, Alfred William, '08
 Broadhead, James Harkness, '19
 Broner, Jonas Hyman, '37
 Brooks, Jean Louise, '52
 (see Jean Louise Littlewood)
 Brooks, Robert Atwell, '51
 Brosius, Fred Sinclair, '07
 Brosius, Raymond L., '01
 *Brosky, Charles Vincent, '21
 Brosky, Ignatius Joseph, '15
 *Brosky, Joseph Vincent, '01
 Brothers, Dale Wilbur, '31
 Browarsky, Isadore, '36
 Brown, Charles Gessner, '22
 Brown, David Doyle, '58
 Brown, Desmond Robert, '43
 Brown, Elizabeth R., '03
 *Brown, Francis Edna, '14
 (was Mrs. Wm. Jones)
 Brown, Grant Enos, '26

- Brown, Grant Enos, Jr., '57
 Brown, H. A., '90
 Brown, Harry Golden, '26
 Brown, Herbert Jay, '11
 Brown, James Erroll, '09 (*now M.D.*)
 Brown, Mary Lou, '54
 Brown, Samuel Potter, Jr., '14
 Brown, Thomas Edward, Jr., '11
 Browne, Gwendolyn, '22
 Brozda, Joseph Clemens, '24
 Bruce, Frederick, '56
 Bruder, Manuel Emil, '34
 Brukoff, Arthur Wilbert, '24
 *Brukoff, William Albert, '25
 Brumbaugh, Vance Emerick, '41
 Brumersky, Harry John, '33
 Brumersky, John Solomon, '25
 Brunner, George Leopold, '40
 Bryan, Carroll Lyman, '39
 Bryan, John Oliver, '22
 Bryan, Lynn Emerson, '29
 Bryson, W. S., '94 (Scio)
 (*now M.D.*)
 Buchanan, Clark G., '99 (Scio)
 Buck, Regis William, '24
 Buck, Robert, '55
 *Buckley, Chester McClay, '31
 Buczkowski, Roman Robert, '25
 *Budde, Mrs. W. E., '29
 (*see Anna L. Franklin*)
 Buechner, Charles Harold, '25
 Buehler, Gerard Leo, '48
 Buerger, George Franklin, Jr., '57
 Buetzow, Karl Frederick Henry, '25,
 '26
 Bufano, Leonard, '25
 *Buford, Ira Kelly, '26
 Buisker, Norman John, '24
 *Bulger, Alvin H., '85
 Bulger, H. H., '91
 Bumbera, John Albert, '13
 *Bumbera, Joseph Edward, '12
 *Bumbera, Michael Peter, '18
 Bunt, Clarence H., '23
 Burckart, William Edward, '13
 Burford, Ethan Allen, '97
 Burgay, Mrs. Hugh T., '30
 (*see B. Henrietta Harris*)
 Burgett, Donald Arthur, '53
 Burggrof, Paul Otto, '17
 Burhenn, Henry Edward George, '28
 Burke, Eugene Earl, '26
 Burke, Madge A., '04 (Scio)
 Burkett, Arnold Johnston, '09
 *Burkett, Karl Shaw, '14,
 PHAR.D., '15
 Burkett, Lillian Sophia, '27
 (*now Mrs. Barrett*)
 Burkholder, Robert Eugene, '29
 *Burley, Arthur K., '04
 Burnap, Harry, '21
 Burnett, Florence Elizabeth, '44
 (*see Florence Ross*)
 Burns, Charles Arthur, '51
 *Burns, Edgar Reed, '09
 Burns, Howard Charles, '36
 Burns, Winfield Davis, '28
 Burrier, Anna Zoe, '13, '15 PHAR.D.
 Burrier, Bernice Serepta, '17
 (*now Mrs. Quillin*)
 *Burriss, Robert Clyde, '07 (Scio)
 Burriss, Wilbur C., '97 (Scio)
 Burrows, John Raymond, '28, '32
 Burry, Bertram, '02
 Bush, Michael Leo, '14
 Bush, William Grant, '41
 Busis, David, '16
 Butera, Louis George, '36
 Butler, Cyril David, '31
 Butler, Frederick T., '01
 *Butler, James Carey, '26
 Byerle, Merle R., '54

- Byers, Hettie E., '07
(now Mrs. W. A. Caruth)
- Byers, Robert Edwin, '26
- Byers, Robert W., '01
- Byrne, Paul Sheldon, '16
- *Calabrese, Joseph, '02
- Calabrese, Lucetta Ann, '37
(now Mrs. Drurey)
- *Calabrese, Vincent, '07
- Caldwell, Eben Shaffer, '15
- Caldwell, Joseph F., '02
- Caldwell, Stanley Foster, '09
- Caldwell, William Paul, '11
- *Calhoun, Jesse F., '02 (Scio)
- Calhoun, W. H., '04 (Scio)
- Callahan, William David, '12
- Cameron, Ronald Glenn, '57
- Cameron, Alex C., '05 *(now M.D.)*
- *Camp, Charles Benjamin, '30
- Camp, Eugene M., '04
- Campbell, Arthur B., '21
- Campbell, Arthur Jay, '12
- Campbell, Charles Calvin, '97
- Campbell, Charles George
 Washington, '11
- Campbell, Clarence Eugene, 58
- Campbell, Donald Johnson, '29, '31
- Campbell, Eugene LeRoy, '23
- Campbell, Frank Harold, '12
- *Campbell, John Cuthbert, '93
- Campbell, John Gibson, '35
- Campbell, John LeRoy, '23
- Campbell, Lee, '19
- *Campbell, Robert Franklin, '09
- Campbell, Robert Hampshire, '51
- *Campbell, Robert J., '05 *(was M.D.)*
- Canavan, Fred G., '20
- *Canon, Archie Douglass, '12,
 PHAR.D., '13
- Canter, Abram Robert, '04
- Canter, Richard Stanley, '47
- Capehart, Clarence M., '21
- Caplan, Pierson, '32
- Caplan, Samuel Irwin, '25
- Capozzi, Dominic William, '38
- *Capozzi, Joseph Vincent, '19
- Cappel, Earl Ellsworth, '26
- *Cappel, Theodore, '88
- Cappelli, Mrs. Michael, '48
(see Jean Rita Smaldone)
- Cappelli, Mrs. Raymond, '53
(see Gabriella O. Roba)
- Cargo, William Alfred, Jr., '21
- Carlson, Edward Wilmer, '52
- Carlson, Oscar Sigfried, '14
- Carlton, Oralie Mary, '13
(now Mrs. Roy Balsley)
- *Carmel, Sister M., '11
(see Sister M. Carmel O'Brien)
- Carnahan, Jane Rea, '38
(now Mrs. Jos. A. Musgrove)
- *Carnahan, Ralph James, '32
- Carney, Frank, '00 (Scio)
- Carothers, Frank M., '04
- Caro, Carmella Nicolina
(now Mrs. Joseph Beyer)
- Carpenter, Walter Woodburn, '42
- Carr, Harold Spencer, '30
- *Carr, Tapley Glenn, '21
- Carroll, Francis Bonner, '28
- Carroll, Robert Andrew, '15
- Carson, Lynn Lionel, '15
- Carson, Paul David, '22
- *Carter, Frank Patch, '09
- Carter, Ivan Lewis, '15
- Carter, Richard Bruce, '16
- Carter, William D., '08 (Scio)
- *Cartwright, Mark Bate, '10
- Caruso, Carmen Anthony, '34
- Carus, Ugo Fernando, '52

- Caruth, Mrs. W. A., '07
(*see Hettie E. Byers*)
- Casey, Thomas Jeremian, Jr., '32
- *Cassady, Roy D., '14
- Casselhoff, Mrs. Jessie, '39
(*see Thelma Glick*)
- Cassell, William Harry, '17
- Cassidy, Matthew John, '99
- Catalano, Alfonso J., '30
- Cathcart, Harold Kennedy, '51
- Cathcart, John Robert, '41
- Catlin, Jasper T., '01
- Celidonia, Edward T., '49
- Cerritelli, Albert E., '51
- Certo, Natalie Mary, '45
- Certo, Josephine Sarah, '44
- Chaban, Emanuel Leonard, '23
- Chaban, Sam, '24
- Chambers, Thomas Alfred, '19
- Chantz, Abraham, '30
- Chantz, Ida Edith, '29
- Chantz, Morris, '32
- Chapman, Alva Lucas, Jr., '12
- Chapman, Dwight Leonard, '17
- Chapman, Harry L., '07
- *Chapman, Paul A., '96 (Scio)
- Charles, Fred B., '02
- Charles, Walter Criswell, '17
- Charles, William Herbert, '14
- Charap, Richard Isadore, '42
- Charlson, Samuel, '24, '25
- Chase, Mrs. James G., '49
(*see Hazel J. Parker*)
- Chase, James Gerald, '54
- Chasser, Michael Raymond, '23
- Chaverini, Jack Anthony, '32
- Cheek, John Edward, '47
- Chesney, Frank Bernard, '26
- Childress, John Addison, '26
- Childs, Harry W., '17
- Childs, Paul, '24
- Childs, Walter H., Jr., '17
- Chodzinski, Frank Joseph, '38
- Chomas, Barbara Jean, '57
- Chosky, Max, '29
- *Christley, James Frank, '12
- Christman, Charles Harry, '58
- Churchfield, James Homer, '43
- Churchill, Robert Paul, '53
- Chussitt, Bernard Harold, '28
- Cioffi, Mary, '55
- Cimino, Frank, Jr., '50
- Cippel, Joseph Andrew, '56
- Ciranni, Thomas Paul, '51
- Cisin, Stephen, '85
- Cisney, Mrs. George W., '05, '07
(*see Grace Harper*)
- *Clara, Sister M., '15
(*see Sister M. Clara Wolf*)
- *Clarita, Sister M., '16, P.H.C. '17
(*see Flora Amelia Decker*)
- Clark, Mrs. Aubrey H., '35 (*see Dorothea Jeannetta Hoenstine*)
- *Clark, Eugene Joseph, '27
- Clark, Frank Black, '50
- Clark, Fred Ray, '19
- Clark, Harold Dunlap, '12
- Clark, J. Reid, '07 (Scio)
- *Clark, Mathew Story, '11
- Clarke, Arthur Alfred, '95
- Clarke, Alfred Grant, '24
- Clateman, Irwin B., '49
- Claus, Edward Praegner, '29, B.S. '30
(M.S., P.H.D. *from Grad. School*)
- Clauser, Joan Annette, '56
- Clauss, George Ardell, '21
- Clement, Corrine Mae, '57
- *Clementine, Sister, '11
(*see Sister Clementine Becker*)
- Clements, Christine, '26,
Hosp. Tech. '34

- Clemson, Mrs. Elmer, '41
(see Nell Marchuk)
- Cleveland, Edwin Irving, '43
- *Clutton, William K., '03
- *Coad, Frank Miller, '19
- Coates, David William, '57
- Cochenour, Orion Elmer, '14
- Cochran, Harry Adam, Jr., '30
- Cochran, Thomas Clyde, '02
- Cochran, William H., '06 (Scio)
- Cochrane, Lester Edward, '23
- Codori, Simon Joseph, Jr., '25
- Cody, Morris H., '57
- Coe, E. G., '97 (Scio)
- Coffman, Mrs. H. A., '21
(see Genevieve M. Hines)
- *Coffy, Lyde, '93 (Scio)
- Cofsky, Benjamin, '31
- Cohen, Alfred James, '24
- *Cohen, Bernard Leonard, '29
- Cohen, Cecil, '30
- Cohen, Daniel, '26
(see Daniel Korn)
- Cohen, Herman Paul, '35
- Cohen, Jacob Lewis, '23
- Cohen, Lilianne Jane, '35
(now Mrs. Philip Baker)
- *Cohen, Maurice John, '07
- Cohen, Mrs. Morris, '32
(see Helen Ruth Levin)
- *Cohen, Oscar Harry, '24
- Cohen, Samuel Sidney, '25
- Cohen, Sanford, '57
- Cohen, Stanford I., '57
- Cohn, Ben, '26
- Cohn, Hillis, '26
- Cohn, Joseph, '24
- *Colburn, James Donald, '30
- Colby, Autumn Elaine, '44,
 M.S. '55 Graduate School
- Coldren, Ira Burdette, '22
- Coldren, John Arlington, '22
- *Coldsmith, Eugene McKinley, '19
- *Cole, Albert Lewis Plack, '11
- Cole, Edmund E., '15
- Cole, Edward William, '24
- Cole, Jack Kendall, '43
- Cole, S. J., '00 (Scio)
- *Cole, William Crawford, '14
- Cole, William Ward, '47
- Coleman, Charles McVey, '96
- Coleman, George Nicholas, '14
- Coleman, George Thomas, '37
- *Coleman, Henry Otto, '14
- Coleman, LeRoy Miller, '29
- Coleman, Paul William, '56
- Coleman, Thelma Louise, '41
(now Mrs. Landis D. Kilcrease)
- Colhocker, Wilbert Edward, '24
- Collins, Abraham Edward, Jr., '39
- Collins, Earl, '55
- Collins, Edward E., '51
- *Collins, Leigh Richmond, '02
- *Collins, Luther B., '07
- *Collins, Philson Delp, '17
- Collom, Mrs. M. W., '13
(see Myra Adela Willson)
- Colonna, Joseph Mathay, '26
- Comer, Robert H., '50
- Comm, Clifford Otto, '30
- Comoroda, William Anthony, '24
- Condick, Ethel May, '03
- Conkley, Mrs. J. E., '26
(see Anna S. Daniels)
- Connell, Harry Adams, '09
- *Conner, Rupert Deane, '29
- Connolly, Joseph Anthony, '30
- Connolly, Mary Louise, '30
(now Mrs. G. Leonard Ivory)
- Connor, Peter Leo, '10, PHAR.D. '12
(now DD.S.)
- Conrad, Lee Frank, '06

- Conroy, Joseph Regis, '25
 Conte, Frank Anthony, '21
 Conte, Sam Paul, '41
 Contes, William Emanuel, '33
 Conti, Julius Romeo, '13
 Conway, George Walker, '22
 Conway, Jerry Joseph, '25
 Conway, John Malloy, '16
 *Cook, George Hyatt, '21
 *Cook, John Geyer, '27
 *Cooke, Wilson M., '89
 Coombs, William Dick, '30
 Cooper, James Delbert, '52
 Cooper, John Hamilton, '01
 (now M.D.)
 Cope, J. Calvin, '94 (Scio)
 *Cope, L. J., '93 (Scio)
 Copenhagen, John A., '89
 Coplan, Mrs. Mike, '13
 (see Audubon Ruth Wayne)
 Corbett, Raymond Carruthers, '29
 *Corbett, Ronald, '14
 Core, Mary Susan, '22
 (now Mrs. Wendell Watts)
 *Corey, Wilbert Edward, '94
 Corkle, Donald Boyde, '29
 Corless, John Paul, '30
 Corrin, Harry Myers, '50
 Corsella, Rosella Lois, '34
 (now Mrs. Bresci Leonard)
 Cosmides, George James, '52
 Cosser, Wesley, '16
 Cost, Thomas Dominic, '34
 Cotterel, Joseph R., '04
 Cotteral, Mrs. Theodore R., '19
 (see Thelma Webber)
 Cotton, William Albert, '36
 Cottom, Alva Willis, '32
 *Coulter, Floyd B., '04
 Coulter, Guy P., '16
 Counahan, Norbert Baptista
 Francis, '29
 Covell, Silas Willis, '93 *(now M.D.)*
 Cover, Richard Edwin, '42
 Cowdrey, David George, '54
 Coyan, Charles Wesley, '02
 Cozier, Louis Ernest, '28
 Craig, Burton Louis, '19
 Craig, Harry Hoffman, '07
 *Craig, Lee J., '22
 Craig, Raymond Russell, '38
 Craig, Robert Charles, '24
 Crall, Frederick Vincent, '51
 Cramer, Robert Dinwiddi, '41
 Crampton, John Dorsey, '08
 Crane, Harry Everett, '14
 Crans, Charles, '55
 Crantz, Jacob, '09
 Craven, Earl Duane, Jr., '43
 Craven, Robert Lester, Jr., '40
 Craven, Robert Lester, '16
 Crawford, Charles Calderine, '02
 (Scio)
 Crawford, Harry Ray, '17
 Crawford, John Y., '98 (Scio)
 *Crawford, L. L., '90
 Crawford, Roy William, '11
 Creighton, Charles Keating, '33
 Creighton, Mary L., '96 (Scio)
 Cribbs, William David, '54
 Crick, John, '55
 Crissman, Harold Eugene, '31
 Crisswell, Melvin W., '23
 Critchfield, Max J., '53
 *Crites, Rezin B., '07 (Scio)
 Crone, John, '55
 Crook, Frank R., '01 (Scio)
 Crooks, Harry Layton, '29
 Croskey, Jay Glenn, '99 (Scio)
 Crossett, John, Jr., '24
 Crowley, Timothy Joseph, '11

- Crowthers, Curtis Claude, '16
 Crowthers, Edith Young, '24
 Crowthers, Ray Johnson, '09
 Cruzan, Garrett George, '11
 *Cubbison, William Archibald, '99
 Cuburnek, Morris Isadore, '28
 Cuccarese, Mary Louise, '47
 (now Mrs. William Vito)
 Cudzik, Frank J., '49
 Cullen, Russell Buchanan, '25
 Cullen, William Bertan, '37
 Culler, Milo, '02
 *Cummings, John, '28
 Cummings, John Alexander, '06
 Cunningham, James Otto, '09
 Cupps, James Handley, '22
 Curry, Alton William, '28
 Custer, Albert Arthur, '20
 Cutts, John William, '23
 Cypher, Cloyd Marshall, '23
 Cywinski, Edward Sylvester, '28
 Czajkowski, Alfred Edmund, '32
 Czmor, Bela Michael, '28
 (now Adalbert M. Smor)
 Czyzewski, B. J., '01
 Czyzewski, Ralph William, '17

 Dabroski, Mrs. Mireh J., '50
 (see Frances Elizabeth Shirley)
 Dacey, Andrew, '29
 D'Aloisio, Bernard Anthony, '53
 Dalrymple, William Andrew, '03
 *Dalton, John Francis, '99
 *Dambacher, Edward Patrick, '28
 Danenberg, Bernard, '50
 Danenberg, Jerome, '48
 Daniels, Anna Sophia, '26
 (now Mrs. J. E. Conkley)
 Daniels, Everett Elroy, '25
 Dankworth, Guy W., '04 (Scio)
 Danley, Leona Jeannette, '26

 Dannemiller, William M., '09
 Danti, August, '50, M.S. '52,
 Graduate School; PH.D., Ohio
 State University
 *Darbaker, Leasure Kline, '06
 Dare, Frank T., '96 (Scio)
 Darling, James Howard, '36
 Darling, Nathan, '28
 Darling, Sanford Melvin, '56
 Darling, Wilbert, '43
 Datz, William Jennings Bryan, '17
 Daubert, Bernard Forbes, '25, B.S.
 '30, PH.D. Graduate School
 Daugherty, Charles Buring, '14
 (now M.D.)
 Daugherty, George Webster, '14
 Daugherty, Silas Clark, Jr., '27
 Daugherty, Wilbur A., '51
 Davidson, George B., '53
 Davidson, George B., '17
 Davidson, H. S., '95 (Scio)
 Davidson, Thomas David, '32
 Davies, Kenneth Daniel, '54
 Davies, Leslie Richard, '16
 Davis, Carline Annette, '21
 *Davis, Charles W., '88
 Davis, Daniel Griffith, '35
 *Davis, Daniel Webster, '97
 Davis, Elden Barker, '12
 Davis, Emerson Powell, '16
 Davis, Ernest C., '98 (Scio)
 *Davis, Ernest, '14, PHAR.D. '15
 Davis, Eugene Harold, '49
 Davis, Helen Louise, '41
 (now Mrs. Ralph McCue)
 Davis, Homer George, '25
 Davis, Ira W., '95
 Davis, J. A., '85 *(now M.D.)*
 Davis, James Alfred, '11
 Davis, John, '55
 Davis, John Francis, '23

- Davis, John Henry, '20, '23
 *Davis, John Samuel, '98
 Davis, Lewis Walter, '26
 *Davis, Roscoe Charles, '14
 *Davis, Walter Scott, '25
 Davis, Mrs. William Watkins, '08
 (*Pearl J.*)
 *Davis, William Arthur, '28
 Davis, William Harold, '25
 Davis, William W., '23
 *Davison, Charles S., '06
 Davy, George H., '06
 Daw, James Thomas, '29
 *Dawes, William H., '87
 Dawson, E. Bruce, '99 (Scio)
 Day, Albert E., '08 (Scio)
 *Day, Arthur W., '04
 Day, Harry Vaile, '10, PHAR.D. '11
 Day, Joseph Dunn, '49
 *Day, Richard Joseph, '18
 Dearling, Samuel S., '32
 (*see Samuel Schwitzer*)
 DeBay, Catherine, '55
 DeBone, Edward Charles, '33
 *Decker, Flora Amelia, PH.G. '16,
 PH.C. '17 (*was Sister Clarita*)
 Decker, Herman Charles, '23
 DeDomenico, Anthony Sylvio, '31
 Deemar, Robert G., '49
 *Deflin, Frank K., '96
 DeFoggi, Dorothy Virginia, '48
 (*now Mrs. Kriley*)
 DeFrance, Barney N., '07
 DeFrance, George W., '05
 *DeGrazia, Joseph, '31
 Deily, Wesley Emerson, '26
 Deiss, Elmer Barnard, '15
 Deist, Freeman Poorbaugh, '43
 Deist, Mrs. Freeman P., '43
 (*see Mariana Kooser*)
 *Del Pierre, Fred Adrian, '13
 *Denslow, William Cooper, '98
 Dent, Francis Mortimer, '05
 Dent, Gaylord Hess, '08
 Depp, Charles Leo, '26
 Derda, Charles Andrew, '28
 Derewicz, Henry John, '58
 DeSantis, Ida Denise, '30
 (*now Mrs. London*)
 Dessy, Raymond Edwin, '53
 *Dettis, Victor Charles, '19
 Dettis, Weyandt, '51
 Deutsch, Hasele Alice, '29
 (*now Mrs. A. Sanford Levy*)
 *Dewey, Herbert Winger, '96
 DeWolf, Harry R., '03
 Dezzutti, John Robert, '53
 Diamond, David L., '57
 Diamond, Emanuel Theodore, '39
 Diamond, Harry, '10
 Diamond, Stanley Allen, '43
 Dias, Thomas Murray, '57
 Dice, Willis Curtis, '09
 Dickey, Harold Dallas, '29
 Dickie, William Caldwell, '43
 *Dickie, William Nichol, '17
 Dickman, Bernard Benjamin, '30
 Dickman, Jacob, '37
 Dickson, James, '24
 Diefenderfer, Thomas Franklin, '11
 Dierken, Erven Earl, '11
 Diffenderfer, Harry D., '04
 DiGiacomo, Felix, '51
 Dillinger, Charles Daniel, '07
 Dilts, William Roy, '53
 Dines, Allen I., '51
 Dines, Jacob Albert, '48
 *Dinkel, Lawrence Joseph, '20
 Dinsmore, Warren T., '08 (Scio)
 DiPasquale, Patsy Michael, '49
 DiStefano, Frank Carmello, '26
 *Distler, George Bingham, '08

- *Dixon, Clarence G., '02
 Dixon, John Alexander, '23
 Dixon, J. W., '94 (Scio)
 (now M.D.)
 Dixon, W. Raymond, '23
 (now D.D.S.)
- *Dobbs, Stanley Henry, '24
 Dobkin, Robert Abe, '52
 Dabler, James Colburn, '27
 (now M.D.)
 Dobosh, Stephen Edward, '32, B.S.
 '33, Hosp. Tech. '35
 Dockery, Raymond Edward, '21
 Dockrey, John Edward, '15
 Dodds, Hilton Benton, '30
 *Dodds, Hugh Clyde, '16
 Dodds, Lorne Anthony, '05
 Dodds, Thomas Clyde, '43
 Dodgson, Harry, '02
 Doelfel, Margaret Ruth, '52
 Doerschuk, Albert Peter, '43, M.S.,
 PH.D. from Graduate School
- *Dolan, Albert Vincent, '06
 Dolan, Harold Martin, '56
 Dolorosa, Sister M., '26
 (see *Sister M. Dolorosa Boyle*)
 Doltis, Harry, '24
 Dolyak, Howard Paul Leonard, '30,
 Hosp. Tech. '33
 Domb, Wilbert Milton, '32
 Donaldson, Lee Alfred, '15
 Donaldson, Samuel L., '03
 Donatelli, John, '26
 Donley, Edward Mathew, '28
 Donnelly, Patrick Aloysius, '28
 Donohue, Michael M., '23
 Donovan, John Elmer, '22
 Dooley, Howard James, '26
 Dorn, John Joseph, '26
 Dorn, Louis Abram, '32
 Dorn, Paul Gerhardt, '35
- Dorsey, Christopher L., '52
 Dosch, Philip Paul, '37
 *Dougan, Edith Evelyn, '32, B.S. '32
 *Dougherty, James Edward, '99
 Douglas, Austin Earl, '08
 Douglas, James Arthur, '50
 Downey, Paul Joseph, '11
 Downing, William Grover, '10
 Doyle, Howard Melvern, '36
 *Doyle, Joseph Jesse, '98
 Doyle, John Peter, '26
 *Drach, Charles, Jr., '14
 Drach, Louis Charles, '36
 Dragon, Michael A., '49
 Drain, George Washington, '23
 Drapiewski, Tozia Jean, '30
 (now *Mrs. Franklin West*)
 Dripps, Samuel McClure, '36
 Drurey, Mrs., '37
 (see *Lucetta A. Calabrese*)
 Druzinsky, Michael Joseph, '53
 Dublin, Charles Blair, '07
 Duda, George Thomas, '49
 Duda, Thomas John, '38
 Dudley, James David, '35
 Dudley, James Raymond, '15
 Dulak, Joseph John, '31
 Dull, John R., '02
 Dull, Joseph Edwin, '51
 *Dunaway, Minor Gray, '11
 Dunay, John, '24
 Dunbar, John Charles, '25
 (now M.D.)
 Duncan, Charles Patterson, '13
 *Dunczyk, Francis, '07
 Dunmeyer, Carl Jacob, '15
 Dunn, James Arthur, '31
 Dunn, Morris, '07
 Dunst, John J., '56
 Dusenberry, Charles Edward, '07
 Dute, Orville Scott, '28

- DuVall, Mrs. Milton W., '32
(see Josephine Marie Puglisi)
- *Dwyer, Edward Curry, '18
 Dye, Ellis Irwin, '31
 Dysinger, James Russell, '30
 Dzurec, Joseph Paul, '37
- Ealy, Dale Roscoe, '51
 Earl, Paul H., '03
- *Earlin, Clarence Greenwood, '19
 Easley, Harry Frank, '17
 East, Stiles R., '06 (Scio)
 Easton, James Orrin, '16
 Easton, James Orrin, Jr., '49
 Easton, Thomas Frick, '31
 Easton, Wilfred Erbin, '16
 Eazer, Sidney, '55
 Eckbert, Charles R., '16
 Eckbert, Sara Louise, '41
(see Mrs. Robertson)
- *Eddy, Guy R., '04
 Edeburn, Mrs. Ralph M.,
 Hosp. Tech. '33
(see Marion Joanne Bott)
- Edelson, Leonard Irving, '43
 Edinger, Warren Webster, '32
 Edwards, Edward Windlow, '56
 Edwards, John H., '02
 Edwards, Sterling Clark, '25,
 P.H.C. '26
 Edwards, Vernon Sharp, '21
 Edwards, Walter Joseph, '30
 Edwards, William Llewellyn, '30
- *Eggers, Edward E., '90
 *Eggers, Fred W., '85
 Ehrhart, Cecil Monroe, '26
 Ehrlichman, David Arthur, '52
 Ehrman, Harry Arnold, '26
 Eiben, John Joseph, '09
 Eicher, Harry Ackerman, '17
 Eiler, Wallie Valentine, Jr., '09
- Eiselen, Harry Carl, '12
 Elder, Harry Otis, '99 (Scio)
 Ellis, Fred C., '13, PHAR.D. '15
 *Ellison, George Eugene, '26
 Ellovich, Maurice, '32
 Ellovich, Philip, '16
 Elson, Harry E., '99 (Scio)
 Elson, John R., '01 (Scio)
 *Emanuel, Louis, PHAR.D., '99
 *Emanuel, Louis Jr., '09
 Emery, Ernest Henry, '97
 Emery, LeRoy Dinsmore, '11
 Emery, Thomas Warren, '16
 *Engelbach, August William, '22
 Engelbach, John Hugo, '15
 England, Paul R., '05 (Scio)
 Engle, Mary Ella, '45
(now Mrs. Bailey)
 Engle, William T., '51
 Englehart, Edgar Howard, '22
 Engelsberg, Abraham, '21
 Engelsberg, Paul, '05
 Enlow, Florence Jean, '47
(now Mrs. Curtis G. Huy)
 Episcopo, Charles Domenico, '30
 Epstein, Max Edward, '24
 Erny, Edward Thomas, '32
 Errigo, Joseph Onorio, '30
 Erskine, Clyde Raymond, '13,
 PHAR.D. '14
 *Erskine, George Walker, '07
 Erskine, William Donald, '51
 Erskine, William Simpson, '96
 *Ertzman, Fred W., '02
 Erwin, David Lee, '52
 Erwin Robert Lee, Jr., '25
 Esposito, Mario Benito, '48
 *Espy, William Walker, '04
 Espy, William Walker, Jr., '41
 Estep, Betty Eileen, '49
(now Mrs. Donald Bailey)

- Euston, Wilbur Thomas, '42
 Euler, Lester W., '24
 Evans, Brinley Owen, '32
 Evans, Charles Albert, '30
 Evans, Edward Elgin, '97
 Evans, Harrison Malcolm, '14
 Evans, Harry Oliver Newton, '08
 *Evans, Herbert Levier, '07
 *Evans, James, '02
 Evans, John H., '99
 Evans, Joyce Maxine, '51
 (*see Mrs. Vincent Loebig*)
 Evans, Milo, '29
 Evans, M. S., '97 (Scio)
 Evans, William Jacob, '32
 *Everitt, Ralph Burrow, '07
 Everitt, Ralph Wallis, '34
 Evosevic, Milo, '29
 (*see Milo Evans*)

 Fabra, Alfred, '30
 *Faessel, John A., '96
 Faessel, John Amos, Jr., '32
 *Faessel, Leo John, '08
 Faessel, Regis Francis, '28
 Fairfull, Tom, '32
 Falk, Nathan, '27
 Fanning, Ira Joseph, '47
 Fanning, Ira William, '17
 *Farabee, Guy Wallace, '31
 Farquhar, Joseph Griffith, '18
 Farrell, John A., '07 (Scio)
 Farrow, Richard B., '52
 Fast, Edward Houston, '21
 Fauss, Albert L., '51
 Faust, Earl Conrad, '32
 Faust, George Conrad, '11
 Fawcett, Albert Edgar, '01
 (*now D.D.S.*)
 Fawcett, Charles E., '05 (*now M.D.*)
 Fechko, John Edward, '36

 Fee, George Thomas, '54
 Fee, John Samuel, '56
 Fegan, Edward W., '02 (Scio)
 Fehrmann, George Paul, '06
 Feicht, Albert John, '08
 *Feick, Herman Franklin, '17
 Feinberg, Louis Philip, '15
 Feinstein, Harry, '15
 Feiock, Jack Luther, '44
 *Fekula, William M., '21
 Feld, Leo B., '51
 Feldman, Emery Jerome, '50
 Feldstein, Dora E., '04
 Felix, William G., '18
 Fellner, Mrs., '49
 (*see Willa Beedle*)
 Fellows, Harold Wilson, '14
 Felser, Herbert David, '30
 Felser, Isadore Esau, '25
 Fenello, Anthony Paul, '54
 Fenstersheib, Morris I., '57
 Ferguson, Mrs. F. M., '94 (Scio)
 Ferguson, James Graham, '13
 *Ferkany, Ernest Joseph, '11
 *Ferkany, Joseph John, '06
 *Ferner, Stewart Patterson, '09
 Ferrall, Joseph D., '00 (Scio)
 Ferraro, Ross Joseph, Jr., '29
 Feura, Raymond, '55
 Fibus, David, '21
 Fibus, Emanuel, '31
 Fierman, M. Maurice, '36
 Filson, Carl Sterling, '24
 Finch, Joseph, '43
 Findling, Amuel Douglas, '39
 Fine, Leonard LeRoy, '53
 Finelli, Orlando Arthur, '28
 Finfinger, Charles Oliver, '32
 Fingeret, Mrs. Samuel J., '29
 (*see Belle Rose Lazear*)

- Fink, Ralph Robert, '41
(see Ralph Finkelstein)
- *Finkelpearl, Henry, '88
 Finkelpearl, Joseph A., '54
 Finkelpearl, Julius, '21
 Finkelpearl, Maurice Herman, '19
- *Finkelpearl, Oscar, '22
 Finkelstein, Ralph, '41
(now Ralph Robert Fink)
- *Finley, Arthur Ardon Chapman, '93
 Finnerty, James, '55
 Fiori, Frank, '32
 Fireman, Jack M., '50
- *Fireoved, Jesse L., '98 (Scio)
 First, Pearl Mondereau, '25
 Fischer, Charles, '13
 Fischer, John L., '14
 Fishburn, Earl Giffin, '56
 Fishburn, George Alfred, '29
 Fishell, John Edwin, '48
 Fisher, Anthony Leo, '26
 Fisher, Charles Martin, '97
 Fisher, Chester Lionel, '32
 Fisher, Cornelius James, '43
 Fisher, Jerome Kearney, '23
(now M.D.)
 Fisher, Louis Irving, '25
 Fisher, Martin Joseph, '28
 Fisher, Robert G., '49
 Fisher, William Gerald, '53
 Fitch, John A., '08 (Scio)
 Fittro, John, '00 (Scio)
 Fitzgerald, James Lynn, '07
 Flack, John Wallace, '33
 Fleckenstein, Frank Flore, '09
- *Fleckenstein, William L., '18
 Fleet, Doris Jean, '57
- *Fleischer, Frank, '21
 Fleming, Blanche Beatrice, '25
(now Mrs. H. M. Hamman)
 Fleming, Chester Earl, '27
- Fleming, Edward Joseph, '30
 Fleming, Orië R., '23
 Fleming, Samuel Trimble, '18
 Fleming, William Junior, '49
 Fleming, William Richard, '41
 Flesher, Oliver, '07
- *Fletcher, Richard Coyne, '31
 Floding, Frank, '93 (Scio)
 Floding, William E., '94 (Scio)
 Florey, John Joseph, '04
 Florman, Jerald Jay, '54
 Florman, Nathan, '23
 Floyd, Richard Henry, '29,
 Hosp. Tech. '30
 Fluke, Daniel Harlan, '52
- *Fluke, Robert Eugene, '10
 Fogerty, Evelyn Elisabeth,
 Hosp. Tech. '34
 Fogerty, Margaret J., '20
 Foley, Ralph Roswell, '31
 Folino, Fred, '55
 Forcht, William J., '04
 Ford, David Martin, '21
 Ford, James K., '02 (Scio)
- *Ford, John S., '97 (Scio)
 Fording, Thomas Edward, '95
 Foreman, Henry M., '02 (Scio)
- *Forest, William J., '86
 Forker, William James, '99
 Forker, William James, Jr., '31
 Forrest, Ralph Cornelius, '19
 Forst, Alfred J., '08
 Forsythe, John LeRoy, '31
 Fortiner, James Thomas, '24
 Fortino, Salvatore Marion, '38
 Foster, Albert McClelland, '13
 Foster, Lloyd, '55
 Foster, Meyer, '25
 Foulk, Jack Floyd, '48
 Foulk, Mrs. J., '48
(see Barbara Ann Kossler)

- Foulk, William J., '50
 Fowler, Harry Andrew, '08
 Fowler, Herman William, Jr., '54
 Fowler, Robert Lafayette, '17
 Fowlston, Jane Katherine, '42
 *Fox, Charles Frederick, '93
 Fox, Lawrence F., '18
 Franchina, Louis B., '25
 *Frank, Cathryn Rose, '01
 (was Mrs. Daniel C. Mahoney)
 Frank, Jacqueline Edna, '49
 Frank, John Albert, Jr., '26
 Frank, Joseph Thomas, '98
 Frank, Stanton Harvey, '26
 Frank, Theodore Henry, '08
 Frank, Virginia Catherine, '19
 (now Mrs. McVey)
 *Frankenstein, Philip, '24
 *Franklin, Anna Lucile, '29
 (was Mrs. W. E. Budde)
 Franklin, Joseph Emery, Jr., '11
 (now D.D.S.)
 Francis, Robert, '55
 *Frantz, W. W., '89
 Fraser, William McKinley, '32
 Fratta, Leno Charles, '36
 Freeauf, Edward Joseph, '20
 Freeauf, Edward Joseph, '53
 Freebing, Kenneth Stewart, '24
 Freebing, Otto Frederick, Jr., '31
 Freedel, Jacob, '25
 French, Robert Adales, '29
 Frenchik, Rosemary, '23
 (now Mrs. Albert A. Hudacek)
 Freud, Charles, '31
 Freud, Teresa, '22
 (now Mrs. Joseph Lantos)
 Frew, James Paul, '12
 Frey, George, '80
 *Frey, John J., '90
 Fricioni, Rudolph Bosco, '43
 Frick, Claire, '34 *(now*
 Mrs. Lawrence A. Wright)
 Fried, Leonard Morris, '29
 Friedman, Mrs. Betty, '45
 (see Betty Levy)
 Friedman, Irving, '50
 *Friedman, Nathan Alvin, '26
 Friez, Robert Allison, '50
 Frishman, Jack Jay, '22
 Frost, Harry James, Jr., '58
 Fry, Robert Murray, '52
 Frycklund, Robert John, '54
 Frye, Robert Edgar, '53
 *Frye, Wilmer, '97 (Scio)
 Fryer, Ruth Etta, '24
 (now Mrs. Wm. McMillen)
 Fuchs, Carl, '55
 Fugh, John Arthur, '58
 Fuller, H. C., '91
 Fulton, Elizabeth Purvis, '05, '07
 (now Mrs. James S. Huey)
 Fulton, John Davison, Jr., '44
 *Furbee, Arza, '05 (Scio)
 Furbee, Carl Edwin, '17
 Furlong, Thomas James, '33
 *Gabig, Albert John, Jr., '34
 Gabin, Nathan, '31
 Gable, Frederick Beatty, '96
 Gabler, Robert Alexander, '50
 Gaddess, Thomas, '08
 Gaito, Charles Anthony, '54
 *Gale, Mrs. Roy M., '03 (Scio)
 Gallagher, Matthias Charles, '17
 Galloway, Mrs. A. A., '99
 (see Sylvia Elizabeth Obley)
 Galloway, Clyde A., '07
 Galloway, Howard Kenneth, '51
 Galysh, Fred Theodore, '52
 PH.D. Ohio State University
 Gamble, Edwin Walter, '17

- Gamble, William Holland, '01
 Gandet, Thomas Telford Lowman,
 '44
 *Gans, Charles Core, '99 (*was M.D.*)
 *Gantos, Alexander Boolus, '15,
 P.H.C. '17
 Gantzhorn, Paul Adolph, '50
 Garber, Edward Charles, '53
 Garber, Grover Cleveland, '09
 Gardill, Annabel G., '18
 (*now Mrs. South*)
 Gardill, Eugene Albert, '25
 *Gardner, Howard C., '07
 Gardner, Ruth Stephens, '25
 (*now Mrs. A. F. Judd*)
 Garofalo, Ewing, '38
 *Garrard, John Hoon, '12
 Garrard, Richard Lewis, '32
 *Garrett, H. C., '92 (Scio)
 Garthwaite, Earl Russell, '28
 *Garvey, Harry John, '12,
 PHAR.D. '13
 Gasteiger, Ernest Sipe, '19
 (*now M.D.*)
 Gatchel, Oliver Morton, '07 (Scio)
 *Gatt, Fred William, '10
 Gatti, Lena Frances, '30
 (*now Mrs. Wm. Raymond*)
 Gatti, Louis Felix, '30
 Gatti, Theresa Mary, '21
 (*now Mrs. M. A. Lorenzo*)
 Gaughn, Joseph F., '01
 Gaunt, Frederick E., '50
 Gavlik, Doris, '45
 (*now Mrs. Paul P. Jendral*)
 Gaw, Robert John, '57
 Gaw, Robert Ralston, '14
 Gaydos, Stephen, '25
 Gayman, Dorothy Jean, '49
 (*now Mrs. Larry Stull*)
 Geary, Kenneth Wayne, '24
 Geary, Wesley Berlyn, '17
 Gee, Benjamin Mon, '51
 Gee, James Edward, Jr., '29
 Geer, Paul Hanks, '33
 Geese, Charles S., '07 (Scio)
 Gefsky, Hyland LeRoy, '24
 Gefsky, Jay Allen, '53
 Geiger, Joseph A., '06
 *Geier, Joseph M., '13
 Gelfand, Mrs. Emanuel, '43
 (*see Clara Adi Mebr*)
 Geller, Michael, '29
 Gelman, Jerome, '24
 Gelman, Morris Meyer, '29
 Gentile, Anthony, '25
 Gendal, Stanley, '55
 George, Burton Arthur, '29
 George, Charles Rudolph, '13
 George, Frederick William, '21
 George, Harold Lee, '52
 *George, H. V., '92 (Scio)
 George, Harold Vincent, '25
 George, Hubert A., '32
 George, Jean Louise, '29
 George, Louis Victor, '35
 George, Victor, '32
 Geraci, Anthony Richard, '58
 Gerdes, William Harry, '51
 Geregach, George, '23
 Gerson, Charles Frank, '52
 Geyer, George Andrew, '11
 Geyer, Henry A., '18
 Gezzer, George, '28
 Gezzer, William George, '51
 Giammatteo, Jean Loretta, '49
 Giannetto, Paul, '53
 Gibbs, Alta Lettie, '23
 *Gibbs, Lou E., '08
 Gibbs, Stanley, '17
 (*see Stanley Gibbs Kuklewicz*)
 Gibson, Harry A., '11

- Gibson, Ira C., '03 (Scio)
 Gibson, Lee Layton, '32
 Gibson, Ralph Alton, '20
 Gibson, Ralph Alton, Jr., '52
 Gicquelais, Louis Cotter, '22
 Giffen, George M., '99 (Scio)
 *Giffen, William A., '07 (Scio)
 Gifford, Carl Bernard, '32
 *Gilbert, Harry, '12
 Gilbert, Joseph Raymond, '25 (*see Joseph Raymond Goldberg*)
 Gill, Thelma Jane, '58
 Gillen, George Michael, '14
 Gilles, Pearl, '31
 (*now Mrs. Samuel L. Herer*)
 Gillespie, E. Neal, '92
 Gillespie, Elvira Stella, '40
 (*now Mrs. G. Benjamin, Jr.*)
 Gillespie, John J., '05 (Scio)
 Gillespie, Joyce, '57
 Gillespie, Lucius E., '17
 Gillespie, Will J., '01
 Gillung, Don Eugene, '15
 Gillung, Richard Lee, '50
 Gilmer, Prather Jay, '19
 Gilmore, Edward David, '54
 Gilmore, Walter Clark, '26
 Ginsburg, Henry, '29
 Giovannitti, Louis, '29
 *Girard, Fred, '33
 Glaid, Ruth Roselyn, '50
 Glass, George H., '04
 *Glass, John Samuel, '22
 Glassbrenner, Irwin John, '42
 Glassbrenner, John Fred, '37
 Glatz, Charles Lawrence, '32
 Glazier, James Raymond, '14
 Gleason, Mrs. Amelia, '07
 (*see Mrs. C. Nelson Hantz*)
 Gleghorn, James S., '07 (Scio)
- Glick, Thelma, '39
 (*now Mrs. Jesse Casselhoff*)
 Glies, Henry Edwin, '32
 Glinn, Abraham Herbert, '22
 *Gloekler, Bernard Edward, '10
 Gluck, Ella, '27
 (*now Mrs. Morris Bluestone*)
 Gnagey, Donald R., '51
 Godfrey, John, '99
 Goehring, Harry Elmer, '06
 *Goehring, John George, '93
 Goendeski, Joseph Albert, '14
 (*see Joseph Albert Grzedzicki*)
 Goetz, Victor Jacob, '26
 *Goetze, Charles R., '81
 Goetze, William C., '86
 Gold, Gerald, '51, M.S. '58 Graduate School
 Gold, Hymen Herbert, '39
 Goldberg, Adele Edith, '58
 Goldblatt, Samuel, '26
 Goldblum, Robert, '29
 Goldberg, Joseph Raymond, '25
 (*now Joseph R. Gilbert*)
 *Goldfarb, Abraham, '24
 Goldfield, Rose, '49, M.S. '54 Graduate School
 *Goldsmith, Edwin R., '95
 *Goldsmith, Frank W., '04
 *Goldsmith, James Melville, '00
 Goldstein, Benjamin, '24
 Goldstein, Harold, '23
 Goldstein, Isadore Hyman, '24
 Goldstein, Mrs. Julius H., '21
 (*see Hilda Millman*)
 Golinski, Edwin J., '50
 Golletti, Dominic Carl, '43
 Gondelman, Sidney Louis, '40
 Goode, William Winston, '31
 Gooding, Harvey Burt, '99 (Scio)
 Goodison, Alfred Maxwell, '49

- *Goodlin, Elmer Earhart, '93
 Goodman, Alex Charles, '26
 Goodman, Jacob Harold, '22
 Goodman, Sidney Edward, '26
 Goodstein, Benjamin, '26
 Gordon, Aaron Isaac, '21
 Gordon, Alvin, '26
 Gordon, Edward Leonard, '24
 Gordon, Harry, '19
 Gordon, Jacob Harold, '22
 Gordon, Louis, '24
 Gordon, Morris, '22
 Gordon, Morris Vernon, '37
 Gordon, Sanford Albert, '56
 Gordon, Sidney William, '24
 Gordon, Walter Alexander, '14
 Gordon, Walter Carlon, '40
 Gordon, William C., '87
 *Gordon, William Thomas, '94
 Gorenstein, Isadore, '08
 Goretz, Mrs. Eva, '40
 (see Eva Gertrude Rosenberg)
 Goriup, Othmar Frank, '29
 Gorman, John Kenneth, '30
 Gourash, Joseph William, '58
 Grabert, Gustave Eugene, Jr., '12
 *Grabowski, John Frank, '09
 Grady, John Leonard, '28
 Grady, William David, '30
 Graham, Charles Robert, '06
 (now M.D.)
 Graham, Edgar Aloysius, '17
 *Graham, Frank Reed, '96
 Graham, Joseph Franklyn, '42
 Graham, Mary Mabon, '21
 *Graham, William Barbour, '19
 Grajcar, Edward Michael, '52
 Gramling, Walter Roy, '20
 Grant, Merrill Arthur, '43
 Grantz, Earl Gene, '58
 Grattan, Patrick Lawrence, '58
 Grau, William Herbert, '30
 *Grauer, Norman Albert, '10
 *Gray, George Charles, '13, PH.C. '14
 Gray, William A., '05
 Gray, William Wesley, '05 (Scio)
 Grayson, John, '24
 Grayson, Stephen, '31
 Greco, James Louis, '43
 *Green, James B., '05
 Green, Manuel Edwin, '26
 (now M.D.)
 Green, Melvin William, '31, B.S. '32,
 PH.D. Graduate School
 Green, Walter Lovell, '09
 Greenall, John Thomas, Jr., '44
 Greenawald, Louis Edward, '04
 Greenawald, Louis Edward, Jr., '34
 Greenberg, Jack Joseph, '49
 Greenberg, Joseph Hamilton, '13
 Greenberg, Joseph, '31
 Greenberg, Milton, '40
 Greenberger, Harry Maurice, '22
 Greenert, Ralph Edward, '36
 Greenlee, George Britton, Jr., '47
 Greer, Harry L., '89
 Gretz, Albert, '55
 *Grieff, Thomas Francis, '16
 *Griffith, Frank Roger, '09
 Griffith, James Arthur, '05
 Griffith, John David, '07
 Griffith, Paul Louis, '40
 Griffith, William Cannon, '94
 Griggs, Barbara Jean, '56
 Griggs, I. Paul, '21, PH.C. '23
 Grimm, Allen Orville, '29
 Grimm, Elmer Hubbs, '19
 Grimm, Elmer Hubbs, Jr., '50
 Grimm, Herman Louis, '26
 Grimm, Jean, '55
 *Grimm, John Henry, '45

- Grimm, Jacob Lloyd, Jr., '13
 Grimm, Jacob Lloyd, '50
 Grochowski, Joseph John, '31
 Grodecour, Emil A., '09
 *Grodecour, Louis A., '06
 Grohman, Earl Coe, '26
 *Grohmann, Edward John Charles,
 '95
 Grose, Verner, '19
 Gross, James Ellsworth, '08
 *Gross, Michael John, '94
 Grove, Charles Jacob, '09
 Grove, Wilbur Blair, '39
 Grove, William Vaughn, '51
 Grover, Herbert William, '16
 Grubbs, Donald Zeigler, '48
 Grubbs, Margaret Sue, '48
 (*see Margaret Sue Kimmel*)
 *Gruen, John George, '08
 Gruenwald, Joseph Theodore, '93
 Grzedzicki, Joseph Albert, '14
 (*now Albert Goendeski*)
 Guist, Daniel Harold, '32
 Guisti, Dante A., '18
 Gunn, George Burns, '34
 Gunsallus, Jack William, '42
 Guskea, Andrew Edward, '21
 Guskea, Andrew Edward, '48
 Guskea, Mrs. Andrew, '48
 (*see Jean Lois Mooney*)
 *Guskea, Stanley, '17
 Gusky, Stanley John, '56
 Gust, Gilbert Heckel, '47
 *Gustafson, Karl Elmer, '22
 Guthrie, Albert Reed, '15
 Guthrie, H. Leslie, '01 (Scio)
 Guthrie, Harold L., '02
 Gutmacher, Maurice, '34
 Guttman, Jacob, '21
 Gyurik, Michael Elias, '24
 Haas, Henry Nelson, '25
 Habel, George C., '04
 *Habrowski, Walter John, '06
 Hadburg, Max, '40
 *Haeckler, Lawrence Aloysius, '08
 Haeckler, Betty Josephine, '38
 (*now Mrs. Winton Beck, Jr.*)
 Haeckler, William Stephen, '41
 (*now M.D.*)
 Haering, George Victor, '83
 *Haggerty, Elmer William, '24
 Haggerty, George Johns, '29
 Hagmaier, Karl Benjamin, '37
 Hagmaier, Lewis Henry, '28
 Hagmeier, Harry Webster, '11
 Hague, Louis Ross, '08
 Hahn, Sig. J. T., '86
 Haine, Eugene W., '03 (Scio)
 *Hainer, Robert M., '92
 Halboth, Homer Milton, '26
 Haley, Charles Raymond, '42
 Hall, Arthur LeRoy, '25
 Hall, Charles A., '23
 Hall, Charles Valodumar, '16
 *Hall, Edgar Harold, '22
 *Hall, Guy P., '98 (Scio)
 Haller, Max Leopold, '21, P.H.C. '22
 (*see Max Leopold Horvitz*)
 Halliday, Robert Parker, '58
 Hallman, Norman Edwin, '18
 Hamar, Samuel Jay, Jr., '52
 Hamilton, Esther Conway, '00
 Hamilton, Glen B., '14
 Hamilton, Jack Elton, '50
 *Hamilton, James Burnett, '12
 Hamilton, Mary Elizabeth, '98
 *Hamilton, John Elliott, '13
 Hamilton, William Merle, '22
 Hammacker, Earl V., '07 (Scio)
 Hammond, Walter William, '23
 Hampers, Constantine, '55

- Hanaway, Anna Louise, '25
- *Handmacher, Alexander Stein, '21
- Handmacher, Freda Cyril, '24
(*now Mrs. Isadore Wulfson*)
- Handmacher, Willa, '22
(*now Mrs. E. N. Rosenthal*)
- Hankey, Glenn Roy, '31
- Hankey, Lewis Carl, '27
- Hankey, William Laird, '91
- *Hanks, Lowell B., '51
- Hann, Mark C., '08
- *Hanna, Frank J., '05
- *Hanna, John McCleery, '20
- *Hanlin, Frank C., '08 (Scio)
- Hannan, Mrs. H. M., '25
(*see Blanche Fleming*)
- *Hannum, Samuel Joseph, '09
- Hanrahan, William Delbert, '23
- Hansen, Mrs. J. R., '45
(*see Mercedes Julia Kravetz*)
- Hantz, Mrs. C. Nelson, '07
(*now Mrs. Gleason*)
- *Hantz, Charles Nelson, '02
- Hapgood, George W., '99 (Scio)
- Haracznak, John Benjamin, '49
- Hardenburg, Marion Donald, '26
- Hardman, Charles Doll, '49
- Hare, Clarence Clifton, '21
(*now M.D.*)
- Harenski, Albert Walter, '29
- Harenski, Mrs. Joseph E., '34
(*see Irene Klein*)
- *Harenski, Mrs. Walter J., '21
(*see Stella Bejenkowski*)
- Harenski, Walter Joseph, '21, '23
- Hargrave, Archie Sikes, '12
- Hargreaves, James Amos, '16
- Hargreaves, Sheldon Lee, '26
- Harkins, James, Jr., '23
- Harlan, Lloyd Curtis, '09
- Harley, Fred Iran, '99
- Harman, Catherine R., '22
- Harman, Chester, '23
- *Harper, Arthur R. H., '97
- Harper, Grace I., '05, '07
(*now Mrs. George W. Cisney*)
- Harpster, Joseph Jackson, '58
- Harrington, Donald J., '52
- Harrington, John Leonard, '50
- Harrington, Joseph Thomas, '41
- Harrington, William John, Jr., '35
- Harris, B. Henrietta, '30
(*now Mrs. Hugh Burgay*)
- Harris, Ben, '25
- Harris, Ira C., '00 (*now M.D.*)
- Harris, Oscar Lewis, '18
- Harris, Shedric Lee, '28
- Harrison, Charles R., '04 (Scio)
- Harrison, London Ellis, '21
- Harroun, Charles Hastings, '21
- Harry, Roy Stephen, '35
- Harsha, Garland Wilmont, '26
- *Hart, Thomas J., '01 (Scio)
- Hart, Edward Arthur, '97
- *Hartman, Clarence Edwin, '09
- Hartman, Wilson Donelson, '09
- Hartmann, Alfred Charles, '43
- Hartong, Robert Clifford, '09
- Hartos, Florence Anne, '51 (*now Mrs. Florence A. Sherman*)
- Hartsock, Donald Clair, '26
- Hartenstein, Albert, '97 (Scio)
- Hartstein, Evelyn Gertrude, '46
(*now Mrs. Krauss*)
- Hartwig, Ferdinand Carl, '17
- Harvey, Arthur William, '25
- Harvey, Florence Priscilla, '24
(*now Mrs. George W. Lyons*)
- Harvey, Forrest Leamont, '28
- Harvey, Thomas Joseph, '57
- Hassel, Harold John, '53
- Hassinger, Richard Lee, '57

- Hauck, Rosemary, Hosp. Tech., '34
 (now Mrs. H. F. Voight)
- Haury, George Edwin, '17
- Hausler, Fred C., Jr., '53
- Haver, Joseph B., '04
- Hawkins, Edith Priscilla, '23,
 Hosp. Tech., '29
- Hawkins, Nicholas E., '96 (Scio)
- Hawkins, Paul George, '37
- Hawthorne, Walter Earl, '18
- *Hay, LaMar S., Jr., '98
- Hayden, Harold Albert, '46
- Hayden, Thaddeus James, '25
- Hayes, Fred William, '58
- Hayes, George, '28
- Hayes, Raymond Arthur, '14
- Hayford, William Webb, '08
- Headings, Marshall P., Jr., '31
- Headings, Robert McCloy, '17
- Headings, Russell Rice, '34
- Headlee, William Glen, '25
- Heagy, John Adams, '20
- Heasley, Charles Rexford, Jr., '27,
 P.H.C. '27
- *Heatley, Joseph Laurence, '24
 (was M.D.)
- *Heavill, John Charles, '06, '07
- *Heck, Frederick H., '95 (was M.D.)
- Heckel, William Henry, '94
 (now D.D.S.)
- Heckman, Joseph Christian, '28
- Heddle, Roland Harold, '30
- *Heer, George Walter, '14
- Heerlein, A. W., '90
- Heess, John K., '98 (Scio)
- *Heffley, Edward Vernon, '06
- Heffley, Robert John, '93
- *Heidenreich, W. F., '96
- Heidenreich, William Frederick, Jr.,
 '21
- Heidt, Fern Alice, '45
 (now Mrs. Russell Kelly)
- Heiles, James R., '52
- Heilig, Joseph Merle, '32
- Heimlich, Alice, '19
 (now Mrs. J. H. Bell)
- Heinauer, Charles Edward, '29
- Heine, Frank Paul, '32
- Heinrich, Edward Francis, '09
- Heiser, Roy Howard, '10
- Helfand, Max, '38
- Helfant, Reuben, '23
- Helfrich, James Louis, '51
- Heller, Lawrence George, '26
- *Hellerbach, Peter A., '96
- *Hendershot, Harry Wilbur, '99
 (Scio)
- Henderson, Byron E., '89
- Henderson, Ines Winifred, '34
 (Mrs. Gerald Terrill)
- Henderson, James Hamilton, '50
- Henderson, James Harrison, '09
- Henderson, Juanita Frances, '28
- *Henderson, Randal Wiggins, '96
- Henderson, Robert Clyde, '99
 (Scio)
- Henning, Frank E., '06 (Scio)
- Henning, William George, '49
- Henry, Harry Thomas, '03
- Hepps, Herbert Sydney, '30
- Hepps, Martin William, '27
- Hepps, Samuel William, '22
- *Herb, George Hoburg, '25
- Herbert, Edgar Anthony, '17
- Herche, F. W., '02
- Herd, George Arthur, '14
- Herer, Mrs. Samuel L., '31
 (see Pearl Gilles)
- Herk, John Jay, '22
- Herman, Ben Al., '36
- Herman, Herbert, '36

- *Herold, George Sowers, '21
 Herny, Stephanie Gizella, '31, B.S. in
 PHAR. '38
(now Mrs. Cloyd Lilly)
- Herrara, Sergio, '15
 Herring, O'Neil Clark, '16
- *Herron, John McMurray, '06 (Scio)
- *Herrmann, Theodore J., '94
 Herrup, Richard Isidor, '42
(formerly Isidor Charap)
- Herscovitz, Julius Edward, '28
(see Hirsch, Julius Edward)
- Herscovitz, Max Jacob, '25
 Hersh, Harry, '24
(see Harry Herscovitz)
- Hersh, Joseph, '23
(see Joseph Herskowitz)
- Hershberger, James Barnhart, '16
 Herscovitz, Harry, '24
(now Harry Hersh)
- Hershensohn, Louis Nathan, '25
 Hershman, Morris, '22
 Hershman, Sherman, '49
 Herskovitz, Manuel, '23
 Herskovitz, Samuel Max, '26
 Herskowitz, Joseph, '23
(now Joseph Hersh)
- Hervey, Donald McClymonds, '17
 Heskett, William Roy, '53
 Heskie, Peter Frank, '37
- *Hess, Paul H. B., '00
 Hetzel, Chauncey Roy, '05
 Hetzel, Philip Wilhelm, '05
 Heyden, Samuel Edwin, '48
(formerly Horowitz)
- Heyl, Willis John, '37
 Hibben, Harry McGrew, '42
 Hickey, Robert Earle, '24
 Hicks, Charles Lester, '29
 Hieber, Raymond C., '03
- *Higgon, Ellery Eleazar, '20
 Highfield, William Henry, '21
 Hile, Clement Henry, '30
 Hile, Willis Gilbert, '25
 Hileman, George Merrill, '30
 Hill, Clarence M., '18
 Hill, Frank R., '05
 Hill, John Henry, '25
- *Hill, Linley Oliver, '25
 Hill, Richard, '12
 Hill, Theodore Thomas, '97
 Hill, Theodore Thomas, Jr., '32
 Hill, William Gibson Clark, '02
 Hill, William John, '32
 Hilles, Fred Waldo, '99 (Scio)
 Hilliard, Andrew Laverne, '30
 Hilliard, John L., '18
 Hilliard, Kenneth Cunningham, '30
 Himes, James Robert, '58
 Hindman, Elgie Oliver, '16
- *Hindman, Homer Curtis, '95
 Hines, Genevieve, '21
(now Mrs. H. A. Coffman)
- Hinkes, Al, '25
 Hirsch, Adolph, '24
 Hirsch, Gustave, '11
 Hirsch, James M., '49
(was James M. Papernick)
- *Hirsch, Leon, '93 *(was M.D.)*
 Hirsh, Julius Edward, '28
(was Julius Edward Herscovitz)
- Hirz, Bernard Bennett, '48
 Hite, J. Franklin, '99
- *Hite, Ralph Joseph, '23
 Hite, Wallace Vernon, '25
- *Hixenbaugh, Louis Young, '23
 Hixenbaugh, Wooda Van, '50
 Hoak, Edward H., '18
 Hobby, Glenn Byerly, '26
 Hodgkinson, Charles Paul, '28
- *Hodgson, John, '24
 Hodgson, William Elmer, Jr., '32

- Hoechstetter, Harold Lloyd, '29
 Hoechstetter, Max, '08
 *Hoegel, Frank C., '95 (*was M.D.*)
 Hoel, Willard Roy, '30
 Hoenstine, Dorothea Jeannetta, '35
 (*Mrs. Aubrey H. Clark*)
 Hoffman, Allen M., '53
 Hoffman, Carl Cooke, '25
 Hoffman, Charles Edward, '13
 Hoffman, Floyd Cooper, '15
 Hoffman, Frank Joseph, '06
 Hoffman, Winton Robert, '25
 Hoffmann, George Andrew, Jr., '21
 Hoffmann, John Kenneth, '29
 Hoffmann, Sister M. Norberta, '21,
 '24 (*see Sister M. Norberta*)
 Hoffmann, Otto John, '11
 Hoffmann, Philip, '18
 Hoffmann, Philip Henry, '31
 Hoffmann, Walter Lamarr, '26
 Hofmeister, Ralph Richard, '18
 *Hogan, Raymond Dixon, '35
 Hoge, Ernest K., '91 (Scio)
 *Hoge, Winifred, '99
 Hogsett, Harry R., '04
 Hogue, Howard Robert, '29
 *Hogue, Trevor Oscar, '12, '14
 Hohmann, Harry Edward, Jr., '25
 Holden, George D., '51
 Holland, Herman Clark, '07
 Hollar, Eugene Raymond, '30
 Holler, George Linck, '29
 Holloway, Jesse D., '92 (Scio)
 Hollstein, Paul A., '51
 *Holman, Leonard Stone, '07
 Holman, Leonard Stone, '49
 Holman, Mrs. Muriel B., '16
 Holmes, Frank Samuel, '16
 Holmes, Shiras Kennedy, '12
 Holroyd, John William, '38
 *Holsopple, Jacob B., '04, '06
 Holsopple, Nell Irene, '49
 (*now Mrs. Wm. Taylor*)
 Holton, John Miles, '06 (Scio)
 Homann, Paul Edward C., '08
 Homer, Ralph George, '42
 Honaker, Harry Bowles, '14
 Honigberg, Morris, '09
 Hons, Peter William, '46
 Hood, Claude Black, '25
 Hood, Claude Watson, '06
 Hood, Joseph Painter, '28
 Hood, Kenneth William, '30
 *Hook, George B., '49, M.S. '52,
 PH.D. '55 Graduate School
 *Hooper, Clarence T., '16
 Hoover, William P., Jr., '20
 *Hormell, Clyde Nelson, '99
 Hornbake, Herbert Ormsley, '01, '02
 Hornbrook, Edward F., '98 (Scio)
 Horne, Benjamin, '31
 Horner, Merrill Fletcher, '30
 Hornfeck, Raymond Joseph L., '29
 Horovitz, Zola, '55, M.S. '58
 Graduate School
 Horowitz, Benjamin, '25
 Horowitz, Samuel Edwin, '48
 (*now Samuel Heyden*)
 Horox, Helen, '55
 Horton, William Mitchell, '23
 Horvitz, Charles Philip, '25
 Horvitz, Harvey, '52
 Horvitz, Max Leopold, '21, PH.C. '22
 (*now Max Leopold Haller*)
 Horvitz, Samuel Sidney, '23
 Horvitz, Jerome Bernard, '31
 Horvitz, Leon, '09
 Hotchkiss, Harold Vaughn, '21
 Housaman, Edwin, '01
 *House, Guy Baughman, '10, '11
 Howard, Betty Emabel, '42
 *Howard, Francis Asbury, '12, '13

- Hoy, Anna Genevieve, '00, '01
 Hoyt, Truman Giles, '99 (Scio)
 Hubbs, Harry Ray, '26
 Hubbs, Jess Weaver, '19
 *Huber, C. F., '91
 *Huber, Harry Groff, '24
 Huber, John Daniel, '52
 Huck, Englebert Raymond, '53
 Hudacek, Mrs. Albert A., '23
 (formerly Rosemary Frenchik)
 Hudacek, Edward Joseph, '26
 Hudak, Edward Stephenson, '49,
 M.S. '54 Graduate School
 Hudak, William J., '54, M.S. '56,
 PH.D. '59 Graduate School
 Hudson, Jack Harlan, '52
 Hudy, Albert, '51
 Huey, Mrs. James S., '05, '07
 (formerly Elizabeth Fulton)
 *Huffman, J. Fisk, '99
 *Hufford, Miles Lee, '30
 Hug, William Jacob, '21
 Hug, Willis Vincent, '25
 Hughes, Lindsay B., '93
 Hughes, Thomas Jefferson, '17
 Huhn, Josephus Riffle, '39
 Hull, Charles S., '92
 *Hull, Robert Raymond, '18
 Hull, Mrs. Wallace, '29
 (was Frances Smetana)
 Hull, Wallace Arnold, '32
 Hulme, Frank Elton, '09
 Hulme, Frank Elton, Jr., '40
 Hume, Elizabeth Amanda, '23, '26
 (now Mrs. H. B. Speer)
 Humphreys, Russell Emmett, '21
 *Hundertmark, Paul E., '04
 Hunker, Charles Franklin, '05
 Hupp, John Garvin, '57
 Hupple, William Bertram, '26
 Hurl, Franklin George, '41
 Hurray, Philip Francis, '52
 Hurst, Elizabeth Wilson, '20
 Hurwitz, Fred M., '23
 Hurwitz, Gerald N., '50
 Huston, Richard Clair, '54
 Huth, Richard Frank, '56
 Hutter, Leo James, '29, '35
 Hutzler, Roy Herbert, '08
 Huy, Curtis Geyer, '47
 Huy, Mrs. Curtis G., '47
 (see Florence Jean Enlow)
 Hyde, Alfred Murphy, '32
 Hyde, Charles Hoyt, '25
 Hyde, Curtis Vero, '50
 *Hyde, Edward Curtis, '24
 Hyde, John Winter, Jr., '97
 Hyer, William Kelly, '17
 Iams, Doane Webster, '25
 Iannuzzi, Casmer Charles, '48
 Ickes, Sheldon Dean, '43
 Ifft, Edward Charles, '26
 Ignelzi, Americus Jerald, '21
 Ihrig, James Edward, '24
 Ilkuvitz, Norman J., '36
 Incollingo, Xavier, '50
 Infield, Earl Lamont, '24
 Irose, Norman Anthony, '25
 Irvin, Harry Sheldon, '17
 Irwin, Harry Hammond, '25
 Irwin, M. O., '95 (Scio)
 *Irwin, Samuel, '23
 *Irwin, Weller Carnaham, '24
 Isack, Arthur Gershon, '57
 Isenberg, Wilbur LeRoy, '29
 *Isenburg, Clyde Milton, '32
 Itel, Albert I., '04
 Itscoitz, Morley Ellsworth, '34
 *Itscoitz, Nathan Aaron, '17

- Ivanschultz, Bernard, '52
 Ivory, Mrs. G. Leonard, '30
 (was Mary Louise Connolly)
- Jablo, Leon Jack, '34
 Jack, Alan Dale, '33
 Jack, Melvin Clifford, '22
 Jack, Paul Stoten, '25
- *Jackson, James Andrew, '16
 Jackson, Joseph James, '31
 Jackson, Oliver Shellenberger, '29
 Jackson, Ray Lee, '53
 Jackson, Samuel Howard, '88
 Jackson, Thomas Francis, '09
 Jacobowitz, Leonard, '06
 Jacobowitz, Samuel Milton, '24
 Jacobs, Charles Church, '56
 Jacobson, Edna Muriel, '19
 (Mrs. H. L. Abrams)
- Jacobson, Harry, '26
 Jacquart, Mary Lou, '55, M.S. '58
 Graduate School
- Jaffe, Edward Myer, '32
- *James, Benjamin Franklin, '97
 *James, John W., '16
 *James, William Roy, '26
 Jamison, George Elmer, '27
 Jamison, Louis, '02
- *Jamison, Samuel Coulter, '92
 Janda, Charles Anthony, '28
 (now M.D.)
- Janda, Edward George, '36
 Janda, J. Thomas John, '23
- *Janda, Thomas John, '95
 Janiszewski, Steve, '30
 Jankosky, John Francis, '23
 Jankus, George Frank, '36
 Jankus, Joseph Dominic, '42
 Janosik, Joseph Stephen, '26
 Janosik, Joseph Thomas, '54
- Janosko, Mrs. Michael, '48
 (see Dorothea Ann Williams)
- Jarvis, Mrs. J. R., '30, '31
 (see Geraldine Anne Meehan)
- Jason, Grace Atkins, '26
 Jastrzebowski, Adolph Walter, '30
 (now Adolph Walter Yates)
- Jefferis, William Edwin, '51
 Jeffers, William Lee., '98 (Scio)
 Jefferson, Donald Carl, '20
- *Jefferson, Stanley Wilbert, '15
 Jeffreys, Howard Willard, '40
 Jelinek, William Donald, '53
 Jendral, Paul Peter, '47
 Jendral, Mrs. Paul P., '45
 (see Doris Gawlik)
- Jendrzeski, Leo J., '07 *(now D.D.S.)*
 Jenion, William Richard, '30
 Jenkins, Charles North, '28
- *Jennings, Juliet McAboy, '00
 Jerome, Leo Francis, '14
 Jessep, Donald Cyril, '32
 Jiuliante, Joan Janet, '50
 Jochum, Sister M. Baptista, '21, '23
 (see Sister M. Baptista)
- Johannes, Harry, '15
 Johannes, Ocy Crawford, '21
 (now Dr. Ocy M. McKinley)
- Johns, Mrs. Edward, '26
 (see Cecelia Veronica Polanski)
- Johns, Gilbert Bryan, '18
 Johnson, Alba V., '02 (Scio)
 Johnson, Alpha R., '03 (Scio)
 Johnson, Archie D., '00 (Scio)
 Johnson, Carl Axel, '30
 Johnson, Carl William, '23
- *Johnson, Clifford Gustaf, '20
 *Johnson, D. Lester, '99
 Johnson, Ella Sophia, '28
 Johnson, Henry Bernard, '20
 Johnson, James Edward, '31

- Johnson, Lacy Elmore, '20
 *Johnson, Leroy Hawkins, '24
 *Johnson, Miles Herbert, '44
 Johnson, Ralph H., '01
 Johnson, Richard Daniel, '50
 Johnson, William Frank, Jr., '49
 Johnston, Albert B., '08 (Scio)
 Johnston, Donald William, '26
 Johnston, Fred C., '04
 Johnston, J. Arthur, '05 (Scio)
 Johnston, Sara Margaret, '28,
 Hosp. Tech.
 *Johnston, William Lowry, '06
 Jolley, Frank Hollis, '13
 Jonas, Stanton Jay, '51
 Jones, Edwin Louis, '49
 Jones, Ernest, '05 (Scio)
 Jones, Frederick William, '01
 Jones, George B. Kennedy, '54
 Jones, Hoyt Dowse, '25
 Jones, Jack McCall, '43
 *Jones, Leonard Hatton, '23
 *Jones, Parker, '29
 Jones, Raymond Fairington, '30
 Jones, Richard Ray, '29
 *Jones, Robert Dale, '15
 Jones, Robert Lee, '54
 *Jones, Robert Pressley, '99
 Jones, Sally Ann, '57
 Jones, Thoburn Nason, '25
 Jones, Will S., '84
 *Jones, Mrs. William, '14
 (*see Frances E. Brown*)
 *Jordan, John Lawrence, '10
 Jordan, Lester, '55
 Joseph, Fred, '30
 Joseph, Julius, '27
 Josephson, Lawrence, '36
 Joyner, Mrs., '42
 (*see Helen Ann Wick*)
- *Judd, Albert Floyd, '95, PHAR.D.
 HON. '04
 Judd, Mrs. Albert F., '22, '25
 (*see Ruth S. Gardner*)
 Judd, Milton, '32
 (*see Milton Judkovitz*)
 Judd, Samuel, '13
 (*see Samuel Judkowitz*)
 Judkovitz, Milton, '32
 (*see Milton Judd*)
 Judkowitz, Samuel, '13
 (*see Samuel Judd*)
 Julian, Frank Joseph, '43
 Julian, Joseph Ralph, '40
- Kabler, George Herman, '11
 Kaetzel, Charles Milo, '36
 Kaetzel, Charles P., '14
 Kaetzel, Fred L., '14
 *Kahl, Charles W., '88
 Kahn, Ben, '23
 Kahn, Morris Harold, '17
 *Kalet, Sol Herman, '24
 Kaley, Charles Jacob, '13
 Kalson, Harry Max, '32
 *Kalstone, Bernard Aaron, '16
 Kaminski, Frank, '04
 Kamphaus, Carl Theodore, '26
 Kane, William A., '37
 Kant, Milton Aaron, '15
 Kantar, Alexander, '20
 *Kapteina, John George, '12
 Kardon, Philip, '54
 Karel, Alexander Peter, '37
 Karel, Vera, '38
 Karelitz, Hymen Irwin, '34
 Karlheim, Dennis William, Jr., '53
 Karnis, Michael R., '49
 Karns, Harold Thomas, '29
 Karol, Alexander Theodore, '38
 Karolewski, Leo Francis, '43

- Kartub, Ralph Russell, '24
 Kaschak, John Kasthner, '29
 (now John K. Kasthner)
 Kasen, David, '56
 Kasom, Sophija, '44
 (now Mrs. Toncic)
 Kasthner, John K., '29
 (see John Kaschak)
 Kaszer, John William, '18
 Kaufman, John Stanley, '42
 Kaule, Joseph Adolph, '42
 Kaye, Earl R., '52
 (see Earl R. Kopsosfsky)
 Kaye, Edward Andrew, '22
 Kaye, Walter Dixon, '04
 Kays, Frank L., '02 (Scio)
 Keagy, Elwood M., '18
 Kealey, John Vernon, '28
 Kealey, Robert Charles, '38
 Kearney, John James, '29
 Kearns, Patrick T., '89
 Kee, O. Hunter, '02 (Scio)
 Keefe, Mary Honore, '25
 (now Mrs. Wm. D. Wardlaw)
 Keeley, Mrs. Kermit Eugene, '52
 (see Patricia Zimmerman)
 Keene, Walter Paul, '30
 Kefover, Philip Sheridan, '08
 Kelley, Benjamin Franklin, '08
 Kelley, Charles M., '96
 Kelley, Edward E., '86
 Kelley, James Norman, '25
 Kelley, Joseph Lawrence, '57
 Kellogg, Glenn Franklin, '37
 Kellogg, James Norton, '52
 Kelly, Curtis, '55
 Kelly, Frank B., '87
 Kelly, George Mudge, '42
 Kelly, Mrs. George M., '49 (see
 Dorothy Virginia Sarandria)
 Kelly, John J., '49
 Kelly, Russell John, '43
 Kelly, Mrs. Russell John, '45
 (see Fern Alice Heidi)
 Kelsky, Milton, '29
 Kemble, William Wayne, '16
 Kemerer, Ralph William, '39
 Kemper, James Anthony, '51
 *Kenah, Charles John, '94
 Kennedy, B. C., '99 (Scio)
 Kennedy, Carl C., '05
 Kennedy, Edwin Ralph, '54
 Kennedy, William Emery, '31
 Kennelty, Clarence Murray, '22
 Kenney, George A., '02 (Scio)
 Kent, Edmund Joseph, '08
 Keown, Robert Wallace, '26
 Keppie, William Benjamin, '20
 *Kepple, Thomas Ross, '16
 Kern, Louis Edward, '08
 *Kerr, Edward Vernon Weidel, '23
 Kerr, Harry Wilson, Jr., '58
 Kerr, Mrs. Harry Wilson, Jr., '58
 (see Elizabeth A. Watters, '58)
 Kerr, John L., '02 (Scio)
 Kerr, Perry Linden, '94
 Kerr, Robert G., '03
 Kerrish, Andrew John, '42
 Kerwin, William Vincent, '12
 Kessel, Albert G., '18
 Kessling, William Calvin, '32
 *Ketter, John E., '07
 *Kettl, Mary Rebecca, '24
 Keyser, George F., '03 (Scio)
 Keyser, James David, '30
 Kiefer, Elmer John, '11
 Kiefer, Fabian John, '31
 Kiefer, George Louis, Jr., '54
 Kiefer, George Louis, '20
 Kiefer, Raymond Nicholas, '22
 *Kiesling, Charles Emil, '09

- Kilcrease, Mrs. Landis D., '41
(*see Thelma Louise Coleman*)
- Kill, Harvey O'Neill, '22
- *Kim, James Milton, '13
- Kim, Ralph Aloysius, '50
- Kim, Thomas Raymond, '38
- Kime, Charlotte Elizabeth, '25
- Kime, John Earl, '13
- Kimmel, Margaret Sue, '48
(*see Mrs. Donald Z. Grubbs*)
- King, Camillus Cyril, '26
- *King, Edwin P., '06
- King, Floyd Foster, '16
- King, James Leo, '26
- King, Merton John, '35
- King, Norman Long, '21
- *King, Richard Jones, '30
- King, Walter Scott, '25
- Kinkead, Charles William, '19
- Kinn, John Theodore, '56
- Kinnard, William James, '53 M.S. '55
Graduate School, PH.D. '57
Purdue University
- Kinnard, William James, '53, M.S.
- Kinnon, Robert Lindsay, '52
- Kinter, Donald Joseph, '58
- Kirk, James Arthur, '31
- *Kirk, Willard D., '93 (Scio)
- *Kirk, William P., '94 (Scio)
- Kirkman, Robert Ainsley, '13
- Kirkpatrick, John F., '19
- Kirsch, William John, PHAR.D. '14
- Kirschenbaum, Morris, '26
- Kirschner, Elizabeth Elinor, '34
(*now Mrs. Basil Wiederhold*)
- Kisse, Michael, '30
- Kist, Joseph Arthur, '25
- *Kist, Raymond Eugene, '26
- Kistner, Carl, '23
- Klaus, Charles J., '22
- Klaus, Howard Mervin, '32
- Klavon, Raymond John, '41
(*now M.D.*)
- Kleber, Max Julius, '25
- Klein, Ben Franklin, '29
- Klein, Cora Jean, '39
(*see Mrs. Taucher*)
- Klein, Edward Henry, Jr., '57
- Klein, Edward L., '44
- Klein, Irene Pearl, '34
(*now Mrs. Joseph E. Harenski*)
- Klein, Jacob, '18
- Klein, James Edward, '30
- Klein, Leonard Bernard, '39
- Klein, Max Lewis, '40
- Klein, Sidney A., '28
- Klein, Mrs. Sidney A., '28
(*see Mollie Wolfe*)
- Kleinman, Samuel, '18, '35
- Kline, Florence, '25
- Kline, Harry Leonidas, '15
- Klinefelter, James Francis, '29
- Klingensmith, David Albert, '50
- Klingensmith, J. Henry, '25
- *Knapp, Philip P., '89
- Knauss, Charles Michale, '53
- Knepper, Francis Charles, '16
- *Knight, Elmer E., '88
- Knight, Gordon W., '53
- *Knisely, Ralph Copping, '08
- *Knobel, David George, '26
- Knoble, William Ferdinand, '29
- Knode, John Caldwell, '93
- Knorr, Raymond Chester, '54
- Kobbs, N., '37 (Rev. Fr.)
(*see Kobzareff, Nicholas*)
- Kobelak, Anthony Aloysius, '18
- Kobelak, Frank Joseph, '24
- Kobzareff, Nicholas Nikita, '37
- Koch, Edward N., Jr., '37
- *Koch, Julius Arnold, '84, PHAR.D.
'97

- Kodman, Joseph, '50
- *Koenig, Adolph, HON. PHAR.D. '97
- *Koerner, George Edsen, Jr., '26
- Koerner, George Edson, III, '58
- Kohary, Charles Nicholas, '26
- Kohl, William Peter, '30
- Kokayka, John Hercheck, '32
- Kolb, Charles A., '90
- Kolbe, William Percy, '52
- Kolcum, Michael John, '16
- Koller, Charles, '55
- Kooser, Mariana, '43
(*now Mrs. Freeman Deist*)
- Kooser, William Johnston, '19
- Kopsosky, Earl Ravick, '52
(*now Earl R. Kaye*)
- Korinko, Emil John, '23
- Korn, Daniel, '26
(*now Daniel Cohen*)
- Koslow, Francis A., '58
- Koslow, Joseph, '38
(*see Joseph Kozloski*)
- *Kossler, Albert Lawrence, '12
- Kossler, Albert William, '51
- Kossler, Barbara Ann, '48
(*now Mrs. Jack Foulk*)
- Kossler, Herman Lawrence, '43
- Kossler, Herman Stanislaus, '03, '06
PHAR.D.
- Kossler, Robert William, '31
- Kovac, Anna Mae, '32
- Kovacs, Daniel, '14
- Kovacs, Fred Lee, '41
- *Kovacs, Martin, '14
- Kovacs, Samuel Salamon, '12
- Kovar, Daniel Rada, Jr., '58
- Kozloski, Joseph, '38
(*now Joseph Koslow*)
- Krachala, William Richard, '50
- *Kraeling, A. H., '80
- Kralik, Frank Michael, '30
- Kramer, Andrew, '20
- Kramer, Charles Alexander, '20
- Kramer, Joseph, '28
- Kramer, Leo Hobart, '32
- Kramer, Paul, '30
- Kramer, Saul, '28
- Krassnosky, Samuel, '07
(*now Samuel Kress*)
- Krause, Charlotte Mary, '48
(*see Mrs. Andrew Sapochak*)
- Krause, Chester W., '37
- Krause, Daniel, '40
- Krause, Herbert, '26
- Krause, Lester John, Jr., '37
- Krause, Robert Earl, '10
- Krause, Robert McKean, '39
- Krauss, Mrs. Evelyn G., '46
(*see Evelyn G. Hartstein*)
- Krauthem, Daniel Martin, '57
- Kravetz, Mercedes Julia, '45
(*now Mrs. J. R. Hansen*)
- Krayer, Karl Augustus, '12
- *Kredel, William Henry, '99
- *Kreiss, Arnold Conrad, '95
- Kress, Frank J., '22
- Kress, Samuel, '07
(*see Samuel Krassnosky*)
- Kretz, Edward Joseph, Jr., '25
- *Krey, Charles Burnett, '08
- *Krey, L. A., '91
- *Krieger, George L., '99 (*was M.D.*)
- *Kriger, William Edward, '26
- Kriley, Dorothy DeFoggi, '48
(*see Dorothy DeFoggi*)
- Kroffe, Sara Marie, '47
- Kronkoski, Francis Edward, '24
- Krugh, Helen Marie, '22, '23
Hosp. Tech.
(*now Mrs. W. E. Boggs*)

- Krugh, Madelyn, '23, '25
(*now Mrs. Wm. G. Barton*)
- Krumpe, Herman Ellsworth, Jr., '34
- Krupa, Andrew William, '33
- Krutz, Ronert C., '54
- Kuber, Morton, '54
- *Kuenzig, Christian, '13
- Kuenzig, Clara Petronilla, '44
- *Kuenzig, Clemenet Charles, '09
- Kuenzig, Peter Aloys, '12
- Kuhl, Alfred, '17
- *Kuhn, Charles L., '80
- Kuhn, Charlie Mellinger, '12
- Kuhn, Ralph Alfred, '20
- Kuhn, Ralph Sensenich, '52
- Kujawa, Stanley Joseph, '22
- Kuklewicz, Stanley Gibbs, '17
(*now Stanley E. Gibbs*)
- *Kules, Andrew Victor, '23
- Kulik, Steven Alix, '50
- Kunz, Marcella Anna, '39
- Kurland, Harry, '22
- Kurty, Andrew Nicholas, '28
- Kurtz, Bernard, '43
- Kurtz, Sol S., '39
- Kutscher, George W., '90, PHAR.D.
HON. '10
- Kuzniak, Stanley A., '21
- *Kvatsak, C. T. D., '05
- Kvatsak, Julius Joseph, '06
(*now M.D.*)
- Labowitz, David B., '17
- Labowitz, Edward, '23
- Laby, Lawrence, '57
- Lacko, Emro James, '30
- *Lafferty, Jay Wilson, '10
- LaFrance, Frederick Acker, '25
- Lampport, James Earle, '58
- Landis, Harry Moore, '22
- Lando, Reuben Bernard, '49
- Landy, Herman H., '49
- Landy, Milton Abraham, '32
- *Lang, Adam Rudolph, '16
- *Lang, Andrew F., '08
- *Lang, Karl William, '27
- *Lange, Charles Victor, '16
- Lange, Henry, '32
- Lange, William Howard, '32, '33,
Hosp. Tech. '34
- Lange, Wooda Henry, '93
- Langguth, Frederick Karl, '26
- Lanning, A. Roy, '03 (Scio)
- Lansbery, Raymond E., '17
- Lantos, Mrs. Joseph, '22
(*see Theresa Freud*)
- Larder, Emil Leo, '30
- Larson, Samuel, '18
- Lash, John A., '26
- Lash, Joseph Hanes, '18
- Latou, William Latou, '08
- Latshaw, Richard Kelly, '16
- Latshaw, Richard Kent, '54
- Lauf, Elmer Wilbert, '37
- Lauf, Jacob Theodore, Jr., '31
- Laufe, Joseph Harold, '22
- Laughlin, Dennie, '07
- *Laughlin, Ford, '02 (Scio)
- Laughlin, Kenneth Murray, '29
- Lauxen, Hedwig Marion, Hosp.
Tech. '35
- Law, Eugene Rolland, '25
(*see Eugene Rolland Lowinger*)
- *LaWall, Charles Herbert, PHAR.D.
HON. '19
- *Lawecki, Wladyslav, '11
- Lawrence, Arthur Benjamin, '09
- Lawrence, David H., '25
- Lawrence, George Wilson, '22
- Lawrence, Jesse B., '93 (Scio)

- Lawrence, Russell Harold, '31
 *Lawrence, Thomas Winfield, '11
 Lawrence, William Ellsworth, '93
 Layton, Frank Dunlap, '28
 Lazear, Belle Rose, '29
 (now Mrs. Samuel J. Fingeret)
 Lazear, Manuel Morris, '26
 Lazer, Zolen, '49
 Lazzari, Philip Edward, '32
 Leaver, LeBaron Wilmont, '42
 Lebo, Robert Harold, '40
 Lebovitz, David, '21
 *Lebovitz, Emil, '01
 *Lebovitz, Louis, '06
 Lebovitz, Meyer, '29, '31
 Lebovitz, Samuel, '26
 Lebowitz, Aaron Louis, '43
 Lebowitz, Edwin Ralph, '56
 *Leckey, Howard Louis, '13
 Lee, John Daniel, '28
 Lee, John Edward, Jr., '34
 *Lee, Robert Oliver, '12
 Lee, Robert Oliver, '41
 Lees, Douglas Joseph, '56
 *Lefkowitz, Abraham, '12
 Lefkowitz, Bernard Edwin, '52
 Lefkowitz, Carl Jacob, '26
 Lefkowitz, Charles Nichols, '49
 *Lefkowitz, Curtis, '18
 *Lefkowitz, David, '15
 Lefkowitz, Samuel Louis, '25
 LeGoullon, Howard George, '24
 LeGoullon, Lois Jean, '51 *(now
 Mrs. Hadley N. Thompson)*
 Lehner, William, '24
 Lehnhardt, John Ernest Louis, '43
 Lehnhardt, Mrs. John E., '44
 (see Ruth Elizabeth Stiver)
 Lehnhart, Joseph David, '50
 Lehr, David, '55
 Leibovitz, Morris Abraham, '28
 Leibovitz, Sam, '28
 Lemasters, William O., '94 (Scio)
 Lemelman, Elliot, '57
 Lemmon, Sarah Ann, '53
 LeMoon, Ralph George, '37
 Lenart, Duane, '55
 Lendl, Louis John, '35
 Leo, Peter Anthony, '57
 Leonard, Mrs. Bresci, '34
 (see Rosella Lois Corsello)
 Leonard, Harry William, '23
 Leonard, James Oliver, '29
 Leseman, Eugene William, '50
 *Leslie, James D., '02
 Lester, Howard Donald, '58
 Lester, William Frederick, '43
 Letizia, John Louis, '56
 Lettrich, John Dusan, '58
 Leven, Herman Robert, '37
 Levenson, Maurice David, '35
 Leventon, Benjamin, '27
 Levick, Bennie Morton, '29, '30
 Levick, Marvin, '55
 Levier, Oscar Hunter, '09
 Levin, Harry, '24
 Levin, Helen Ruth, '32
 (now Mrs. Morris Cohen)
 Levin, Leonard, '22
 Levin, Meyer, '31
 Levin, Milton Ralph, '23
 Levin, Oscar, '24
 Levin, Stanford Jay, '57
 Levine, Henry Jacob, '16
 LeVine, Maurice Frank, '23
 *Levis, Vincent Howard, '10
 Levy, Betty, '45
 (now Mrs. Friedman)
 Levy, Mrs. A. N., '21
 (see Marjorie May Tansimore)
 Levy, David Leonard, '21

- Levy, Mrs. A. Sanford, '24
(*see Hasele Alice Deutsch*)
- Levy, Leon Ernest, '14
- Levy, Reinhardt David, '41
(*now M.D.*)
- Levy, Simon Raymond, '29
- Lew, Robert Valentine, '26
- Lewinter, Edward, '53
- Lewis, Charles Allen, '93
(*now LL.B.*)
- Lewis, Clarence William, '30
- Lewis, D. C., '87
- *Lewis, Dovage E., '01
- Lewis, Eugene Brownfield, '24
- Lewis, Frank Clement, '99
- Lewis, Mrs. Grace Rowland, '02
(Scio)
- Lewis, Greyson Prevost, '35
- Lewis, James Lorenzo, '28
- Lewis, John N., '22
- Lewis, Joseph Michael, '15
- Lewis, Robert Earl, '31
- Lewis, Robert Leo, '38
- Lewis, Thomas Robert, '47
- Lewis, William H., '88 (*now M.D.*)
- *Lewis, William I., '01
- Lewis, William Milburn, '31
- Lichtenstul, Edwin Emanuel, '26
- Lieberman, Ernest L., '27
- Liepack, Ben Hymen, '26
- Liepack, Gershen, '31 (*now D.S.C.*)
- Liepack, Louis, '54
- Liepack, William, '52
- Lightner, Donald Ellsworth, '40
- Lilly, Mrs. Cloyd, '31, '38
(*see Stephanie Gizella Herny*)
- Liken, Russell Breckenridge, '20
- Lindberg, Francis Lawrence, '48
- Lindberg, John Thomas, '32
- Lindeman, Roy Grunnagle, '16
- *Lindsay, R. Audley, '04
- *Lindsay, T. S., '90
- Ling, Charles Clyde, '17
- Linn, Jay George, '07 (*now M.D.*)
- *Linn, J. Madison, '95
- Linn, Theodore Fulton, '16
- Lipman, David Victor, '54
- Lipman, Norris, '55
- Lippmann, Herman, '07
- *Lippman, Theodore Herman, '12
- Lipscomb, William Henry, '12
- Lipsitz, Isadore Leon, '50
- Lipton, Ralph, '09
- Lithgow, Richard Allen, '50
- Litman, Abraham, '18
- Litman, Thomas Stanley, '54
- Little, George Edward, '99
- Little, Gilbert Leroy, '48
- Little, Michael Constantine, '10
- Little, Nancy A., '52
(*now Mrs. Steele*)
- Little, Ralph Marcellis, Jr., '43
(*see Ralph Piccirillo*)
- Little, Russell Jerome, '23
- Littlewood, Jean Louise, '52
(*now Mrs. Robert Brooks*)
- Littman, Sam, '43
- Livengood, Clarence Wilbur, '36
- Livengood, Daniel Webster, '09
- Lloyd, Wilfred Royston, '53
- Locke, Thomas Joseph, '26
- *Lodge, Robert E., '01 (Scio)
- Loebig, Mrs. Vincent, '51
- *Loebig, Vincent Paul, '42
- Logan, Rollin M., '98
- Logan, Wallace Lutz, '24
- Logue, John Holmgren, '38
- Lohmire, George A., '08 (Scio)
- Lohmire, Robert L., '18
- Lomady, Oliver Wendell, '06
- Lombardo, George Nicholas, '28
- Londino, Aldo Vincent, '49

- London, Mrs. Ida, '30
(see *Ida Denise DeSantis*)
- Long, Glenn Howard, '14
- Long, J. F., '90
- Longwell, David Clark, '19
- Longwell, Harold Carrier, '23
- Longwell, Louise Eleanor, '50
- *Lorch, Carl Philip, '93
- Lord, William F., Jr., '14
- Lorenzo, Michale Archangel, '32
- Lorenzo, Mrs. Michale A., '21
(see *Theresa Mary Gatti*)
- Losasso, Arthur Junior, '31
- Loub, William Daniel, '52
- Loughran, George Francis, '29
- Louis, David William, '24
- Louis, Kenneth Clair, '29
- Love, Albert Jacob, '43
- Love, James Kerr, '00
- Lowenthal, Herman Henry, '26
- Lowinger, Eugene, '25
(see *Eugene Rolland Law*)
- Lowry, Gelsomine Rose, '27
(now *Mrs. A. Vespa*)
- Lucum, Timothy Anthony, '38
- *Ludwick, Walter L., '04
- Luke, Milton Cornelius, '23
- Lumley, Charles, '25
- Lundgren, Ludwig Alexander
Rudolph Svante, '09
- Lungociu, Nicholas G., '50
- Lupton, Clause Adams, '56
- *Luthy, William E., '07 (Scio)
- Lutsky, Michale N., '24
- *Lutton, James Watson, '20
- *Lutz, David Porter, Jr., '96
- Lux, Sari, '55
- Lyle, Wilbur Donald, '52
- Lynn, Norman Bruce, '31
- Lyon, Arthur M., '98 (Scio)
- Lyon, William Ray, '52
- Lyons, Mrs. George W., '24
(see *Florence Priscilla Harvey*)
- Lytle, J. M., '83
- *Lytle, J. S., '85
- Lytle, Orin Johnston, '09
- Lytle, Mrs. W. B., '03
(see *Anna Jane McGill*)
- *Lyttle, George B., '88
- Lyttle, George W., '87
- Lyttle, J. M., '80
- MacCartney, John Allen, '28
- MacCourtney, Leo, '25
- MacDonald, Bernard, '08
- Macfarlane, Harry Kelso, '19
- MacGregor, Cline J., '26
- Mack, Raymond Harry, '38
- MacKenzie, Robert W., '94
- Macosko, Ronald Michael, '58
- Macri, Dominic Michael, '49
- Maczkov, Agnes Petrovna, '24,
Hosp. Tech. '28
(now *Mrs. Mitchell Suchy*)
- Madarasz, Margaret, '52
- Madden, Virginia Anne, '58
- Magarrall, Henry James, '24
- Maggio, George Stephen, '56
- Magnani, Hugo, '21
- Maguire, James Sexton, '26
- Maher, Thomas Donald, '42
- Mahla, Rolla Mahan, '23
- *Mahoney, Mrs. Daniel C., '01
(see *Cathryn Rose Frank*)
- Maida, Frank V., '49
- Maida, Peter, '55
- Maietta, Dominic Michael, '41
- Makara, Betty Ann, '42 (now
Mrs. Frederick W. Reutter)
- *Maldoon, Charles Robert, '10
- Malia, Dolores, '55
- Malion, Harold Edward, '48

- Malisher, Helen Pauline, '50
(*now Mrs. Grover Oaks*)
- Mallinger, Marion, '55
- Malloy, Charles Michael Joseph, '40
- Malloy, Hubert Joseph, '44
- Malloy, James Francis DeSales, '32
- *Malloy, Michael John Lawrence, '06
- Malloy, William Bernard, '05
- *Mamaux, Marmaduke, '12
- Mancino, Pietro Charles, '24,
Hosp. Tech.
- Manco, Ezron, '49
- Manco, Samuel Irvin, '41
- Mandell, Emanuel, '26
- *Mandelstein, Samuel Albert, '16
- Mandler, Fred Stewart, '49
- Manggrum, William L., '21
- Mangold, Francis Nicholas, '29
(*now M.D.*)
- Mangus, W. Rush, '22
- Manios, Franklin R., '57
- Manley, Bruce Leonard, '49
- Mannella, Daniel Vincent, '48
- *Manns, Walter Ernest, '21
- Manns, Walter Ernest, Jr., '50
- Manolakis, George Emanuel, '57
- Mansfield, Clyde James, '50
- Mantica, Ralph William, '50
- Manuel, Samuel Albert, '30
- Manuel, Samuel Albert, Jr., '58
- Mapel, Jack E., '49
- Marasco, Samuel Edward, '24
- Marbich, Steve Joseph, '53
- Marchand, Charles William, '30
- Marchuk, Nelle, '41
(*now Mrs. Elmer Clemson*)
- Marcotuli, Alfonso, '52
- Marcovsky, Albert, '47
- Marcovsky, Ralph, '45
- Marcus, Raymond, '49
- Margolis, Gerald, '54
- Margolis, Robert, '55
- Mariano, Daniel Gene, '53
- Martin, Ralph H., '09
- Marini, Herman Ralph, '31, '32
- Marini, Louis S., Hosp. Tech., '22
- Marini, Orlando, '26
- Marino, Mrs. Vincent, '20
(*see Rita Troila*)
- Mark, Alan A., '56
- Markis, Gust, '54
- Markley, Edward Bernard, '32 (*see Edward Bernard Markowitz*)
- Markowitz, Abe, '11
- Markowitz, Edgar, '49
- Markowitz, Edward Bernard, '32
(*now Edward Bernard Markley*)
- Markowitz, Louis, '25
- Markowitz, Max Herbert, '22
- Marks, Bernard Jay, '51
- Marks, Clifford Henry, '25
- Marks, Harry Harold, '24
- Marks, Louis Albert, '53
- *Marquis, Robert Addison, '25
(*was M.D.*)
- Marr, Samuel Harold, '31
- Marsh, Harold, '14
- Marsh, Jack Crittenden, '30
- *Marsh, John Keyser, '12
- Marsh, Philip Reynolds, '34
- Marshall, Alfred R., '09
- Marshall, Howard A., '89
- Marshall, James A., '97 (Scio)
- Martin, Abraham Alexander, '26,
'28
- Martin, Alfred Nicholas, '06
- Martin, Allan, '26
- *Martin, B. Harrison, '07 (Scio)
- Martin, Herman Francis, '37
- Martin, Jack, '25
- Martin, James Adam, '10

- Martin, Lester Ross, '19
 Martin, Robert J., '52
 Martin, Samuel, '25
 Martin, Urie Parker, '99
 *Martin, William Craig, '95
 Martin, William Henry, '03
 *Mascher, Charles F., '01 (Scio)
 Maselli, Frank Anthony, '10
 Masnick, Arthur Francis, '50
 Mason, William L., '02 (Scio)
 *Masterson, Arthur Joseph, '15
 Masterson, Frank Henry, '12
 Masur, Wilbur G., '51
 Maszkiewicz, Edward Steve, '56
 Matesic, Robert Michael, '57
 Mathews, Mrs. Wm., '38
 (*see Edith Theresa Piantanida*)
 *Mathias, Henry E., '04
 Matta, Joseph Edward, '32
 Mattarock, Paul, '55
 Mattern, Richard Henry, '28, '46
 Matteucci, Orlando Dominick, '49
 Matthews, Saylista A. Wood, '23
 (*see Saylista A. Wood*)
 Matthews, William Edward, '24
 Mauch, Robert Thomas Martin, '47
 Maurer, Lee Harold, '25
 Maurer, Raymond H., '30
 Mauro, Rudolph, '54
 Maxwell, Guy K., '07 (Scio)
 May, Homer Woodrow, '42
 Mayhew, Earl W., '04 (Scio)
 Mayo, Fred Herrick, '97
 Maysels, Samuel, '31
 Mazza, Anthony Thomas, '57
 Mazzei, Anthony Paul, '31
 McAbee, Richard Earl, '20
 McAdams, Margaret Elizabeth, '28
 (*now Mrs. Thos. F. McCarthy*)
 *McAdams, William James, '05,
 PHAR.D. HON. '96 (*was M.D.*)
 McAleer, John Stanley, '36
 McAndrews, Ray Edward, '28
 McAnlis, James Lowrie, '03
 McArtor, Chester O., '05 (Scio)
 McArtor, Marion C., '14
 McAteer, James W., '05
 McAuley, John, '06 (*now M.D.*)
 McBane, Vance Robert, '18
 *McBride, Homer J., '84
 McBride, James Cooper, '11
 *McBride, J. S., '80
 McBride, Robert Clair, '23
 McBurney, Malcolm Edgar, '35
 *McCabe, Eugene Thomas, Jr., '32
 McCabe, Joseph James, '38
 McCague, Edward Joseph, '01
 McCandless, Ronald Ray, '26
 McCardell, Clifton Hurd, '32
 McCarel, Charles W., '99 (Scio)
 McCarthy, James, '93
 McCarthy, John Donavon, '07
 McCarthy, Richard D., '52
 McCarthy, Thomas F., '24
 McCarthy, Mrs. Thomas F., '26, '28
 (*see Margaret Eliz. McAdams*)
 *McCaslin, Forrest L., '04 (Scio)
 McCauley, Lewis Ross, '23
 (*now M.D.*)
 McCausland, J. Roscoe, '03 (Scio)
 McCausland, William Taylor, '39
 McClaren, James, '07
 McClelland, Halsey Crawford, '09
 *McClelland, James Burton, '95
 McClincey, Stanley, '22
 McClintock, Calvin Harencame, '34
 McClintock, Sara Cornelia, '00
 *McCloud, Myron H., '95
 McClure, George W., '94 (Scio)
 McCollough, John Brice, '52
 McComas, John, '98 (Scio)
 McConnell, Kenneth Wallace, '33

- McCord, Clair LaVern, '54
 McCorkle, Chauncey L., '04
 McCormick, Charles Loyd, '23
 McCormick, Earl V., '07
 McCormick, William Everett, '22
 (now M.D.)
 McCowan, Pomeroy, '07 (Scio)
 McCoy, Raymond Delbert, '39
 *McCoy, Scott Anderson, '23
 McCracken, John H., '17
 McCreedy, Donald Fitz Randolph,
 '12, PHAR.D.
 McCreery, Deane W., '16
 *McCreery, Hugh Thomas, '22
 McCrudden, Leo James, '15
 McCue, Ralph David, '45
 McCue, Mrs. Ralph, '41
 (see *Helen Louise Davis*)
 McCulloch, Stanley Booth, '12
 McCullough, Mark Mallalien, '13
 *McCullough, Patrick Hildibert, '10
 McCullough, Sara Marguerite, '21
 (now Mrs. C. C. Roessing)
 McCully, William, '28
 McCune, Ralph Edison, '19
 McCunn, Harold Hughes, '46
 McCurley, Vernon Louis, '35
 McCurry, John Bayliss, '42
 McCutcheon, Clark T., '00
 McCutcheon, W. Russell, '02
 McDermott, Paul Regis, '51
 McDermott, Theodore Watts, '15
 McDonald, David, '97
 *McDonell, Warner Holmes, '10
 McDonough, Oscar T., '92
 McDowell, David Wells, '12
 McDowell, Thomas Purnell, '58
 *McElroy, J. C., '80
 McElroy, J. H., '00 (Scio)
 *McElroy, Samuel, Jr., '80
 McElroy, William H., '03 (Scio)
- McEnheimer, Jessie B., '22
 (now Mrs. Bailey)
 McEvilla, Joseph D., '49, M.S. '52,
 PH.D. '55 Graduate School
 McFadden, Clyde Otis, '25
 McFadden, James L., '03 (Scio)
 McFarlane, C. Louis, '01 (Scio)
 McGann, Oliver J., '02
 *McGarr, Cuvier Lee, '06
 McGary, Robert H., '13
 McGary Lester Ellsworth, '41
 (now M.D.)
 McGill, Anna Jane, '03
 (now Mrs. W. B. Lytle)
 McGill, William J., Jr., '99
 McGinley, Nellie, '25
 *McGinnis, Frank Stuart, '30
 PH.D. Graduate School
 McGinnis, Howard Kenneth, '28
 McGinnis, Luther Samuel, '37
 McGinnis, Ralph Barton, '29
 *McGinnis, Walter Oliver, '36
 McGinty, Harry E., '14
 McGlumphy, Harry Alexander, '09
 McGouran, Hugh Leon, '07
 *McGovern, John Francis, '06
 McGraw, Robert F., '49
 *McGrew, Edwin S., '95 (Scio)
 McGrew, Jack Arnold, '51
 McGrew, Robert Floyd, '26
 McGrew, William Earl, '16
 McGuffie, Charles R., '04 (Scio)
 McGuin, Ross Allen S., '13
 McGuire, Charles B., '04 (Scio)
 McGuire, Charles Hugh, '14
 McGuire, Kenneth Gustave, '23
 *McGuire, Meryl Monroe, '30
 McGuire, Robert F., '54
 McGuire, Roy Chester, '11
 McGuire, Walter Charles, '43
 *McHardy, Frank, '06

- McHenry, Mrs. Robert, '21
(see *Esther Anderson*)
- McKarney, Albert Lawrence, '24
- McKay, James Paul, '43
- McKee, Edward H., '94
- McKee, Robert George, '07
- *McKee, Thomas Dobson, '06
- McKee, William Barrett, '98 (Scio)
- McKenzie, Robert Alexandra, '32
- McKinley, Dr. Ocy May, '21
(see *Ocy C. Johannes*)
- McKnight, Frank E., '52
- McLaughlin, Charles Russell, '10
- McLaughlin, Ralph Francis, '35
- McLaughlin, William James, '11
- McMahon, Mary Elizabeth, '15
(now *Mrs. John H. Wurdack*)
- McMahon, Michael John, '32
- McMichael, James Emery, '25
- McMillan, Edward Harbaugh, '96
- McMillen, Kenneth Lee, '32
- *McMillen, Walter Morgan, '24
- McMillin, George Lober, '13
- McMillin, John Calvin, '96
- McMillin, John Charles, '40
- McMillin, Thomas Ryall, '28
- McMillin, Mrs. Wm., '24
(see *Ruth Etta Fryer*)
- McMonigle, David Ralph, '12
(now D.D.S.)
- McMorris, Fred G., '05
- McMullan, William, Jr., '44
- *McMurray, Edward W., '03 (Scio)
- McNabb, Earl R., '01 (Scio)
- McNally, Marguerite, '22
(now *Mrs. Howard D. Ronk*)
- *McNally, Michael Leo, '10
- McNamee, Charles Leonard, '28
- McNerney, Michael Francis, '18
- McNulty, James Clelland, '07
- McPherson, Clifford H., '49
- McQuiston, Ralph Benjamin, '28
- McSheehy, Melvin Howard, '36
- McSwiggen, John J., '01
- McVey, Virginia Catherine Frank,
'19
(see *Virginia Catherine Frank*)
- McWhinney, J. Warren Roy, '11
- *McWilliams, James A., '01
- *McWilliams, Thomas J., '07
- *Mead, James Saterfield, '03
- Meadows, Clement Joseph, '08
- Meals, George William, '49
- *Means, Lawrence McClintock, '25
- Means, Walter Emmett, '20
- *Means, William B., '82
- Mecklem, Erle Homer, '08, PHAR.D.
'09
- Medill, D. W., '93 (Scio)
- Medley, Daniel, '26
- Medoff, Alexander, '26
- Meehan, Geraldine Anne, '31
(now *Mrs. J. R. Jarvis*)
- Meek, Daniel Clapper, '30
- Megown, Samuel Reed, '98
- Mehaffey, J. Elmer, '05 (Scio)
- Mehaffey, Samuel M., '93 (Scio)
- Mehlman, Esther Yetta, '32
- Meholo, George John, '36
- Mehr, Clara Adi, '43
(now *Mrs. Emanuel Gelfand*)
- Mehring, Albert William, '14
- Meikrantz, Joel E., '52
- Meinz, Elizabeth Anna, '29
(now *Mrs. Lee Schottenheimer*)
- Meisner, James Charles, '48
- Meisner, Joseph Albert, '36
- Melcher, Charles G., '07
- Melendez, (Garcia), Guillermo
Alfredo, '16
- Melnick, Jacob, '23
- Melville, Daniel M., '49

- Mendelson, Cecil, '26
- *Mendelson, Jacob Isadore, '10
- Mendelsohn, Peter, '28
- Menderson, Charles Mendoza, '15
- Menges, Mrs. Fred, '31
(*see Margaret Obliger*)
- Menk, Harry Willis, '57
- Mennow, John Joseph, '58
- Meola, August Jean, '31
- Mercer, Guy C., '07 (Scio)
- Mercer, Joseph Duston, '00
- Mercer, Lawrence T., '97 (Scio)
- Mercur, Mrs. W. L., '26
(*see Evelyn Meyer*)
- Merry, Fred, '07 (Scio)
- Mersky, Milton, '43
- *Mersky, Milton Eugene, '41
- Mersky, Morris Samuel, '32
- Mertz, Albert, '50
- Mervis, Benjamin Max, '29, '31
- *Mervis, Frank Henry, '09
(*was M.D.*)
- Mervis, Irwin, '24
- Mervis, Maurice, '40
- Mervis, Samuel, '30
- Mervos, Michael Miles, '26
- Messier, Clarence Charles, '26
- Meszaros, Andrew Louis, '28
- Metz, Ralph Myers, '14
- Meyer, Evelyn, '26
(*now Mrs. N. L. Mercur*)
- Meyer, Samuel Leo, '29
- *Meyers, Alexander, '19
- Meyers, Louis, '25
- *Meyers, Nathan, '31, '32
- Michael, Frank Joseph, '06
(*was M. F. Skoniczkowski*)
- Michalec, Dorothy Marie J., '40
- Michalski, John S., '07
- Michel, William Raymond, '51
- Mick, Roland Everett, '26
- Middendorf, Francis Bernard, '28
- Middleman, Benjamin, '20
- Middleman, Herman Howard, '26
- *Mierzwa, Richard, '86
- Mierzwa, Robert Hermann, '30
- Mieze, Michael Peter, '30
- Miezejewski, Michael Peter, '30
(*now Michael P. Mieze*)
- Migliorini, Fred, '55
- Mihalik, Stephen, '23
- Milano, Vincent Michael, '49
- Milch, Jerome Hershey, '54
- *Mildred, Sister M., '26
(*see Sister Mildred Selzer*)
- Miles, Edward Alvin, '17
- *Millard, Howard Earl, '16
- Millard, James Howard, '43
- Millard, John Philip, '50
- Miller, Arthur Jerome, '34
- Miller, Bernard, '48
- Miller, Charles Alfred, '26
- *Miller, Charles Jacob, '21
- Miller, Charles Shively,
PH.M. HON., '16
- Miller, Clarence C., '04
- Miller, David, '16
- Miller, David Irwin, '28
- Miller, Edgar H., '00
- Miller, Floyd Vernon, '23
- *Miller, Frank Herbert, '08
- *Miller, Frank James, '13
- Miller, George Francis, '98
- Miller, Harold Vernon, '49
- Miller, Harry Archibald, '21
- *Miller, Harry E., '97 (Scio)
- *Miller, Harry LeRoy, '14
- Miller, Helen Blanche, '20
- *Miller, Howard Allen, '95
- Miller, Howard Harold, '29
- *Miller, Howard Irwin, '10
- Miller, Ira Clyde, '17 (*now M.D.*)

- Miller, John Andrew, '58
 Miller, John Adam, '44
 Miller, John Bernhardt, '31
 Miller, John Elwin, '58
 Miller, Kenneth Garland, '54
 Miller, Lawrence John, '12
 Miller, Louisa Margaret, '56
 Miller, Ralph, '26, '28
 *Miller, Ralph Okley, '26
 Miller, Ralph Van, '11
 Miller, Rea Provost, '30, '36
 (*now M.D.*)
 Miller, Robert R., '03 (Scio)
 *Miller, Russell Duane, '32
 Miller, Samuel Emmet, '19
 Miller, Thomas Burkellow, '26
 Miller, Wayne Carlyle, '56
 Miller, Willard Homer, '03
 Miller, William Clifford, '58
 Miller, William Frederick, '99
 Miller, William Wallace, Jr., '24
 Milligan, John David, '18, '20
 Millman, Hilda, '21
 (*now Mrs. Julius H. Goldstein*)
 Mills, Thomas Regis, '35
 Milner, Warren James, '12
 Miner, Perry E., '01 (Scio)
 Minesinger, Norman W., '99 (Scio)
 *Minnick, William G., '88
 *Minnihane, Jeremiah Michael, '12
 Minor, Harry Samuel, Jr., '26
 Minor, Harry S., '99 (Scio)
 Minton, Charles Newton, '08
 Minton, Tartus Edwin, '06
 *Mitchell, Calvin Church, '13
 Mitchell, Donald Martin, '19
 *Mitchell, Walter Roy, '29
 Mitcheltree, Carl A., '05 (Scio)
 Mock, George Warren, '57
 *Moffitt, Rinard T., '10
 Moffitt, Roy Wesley, '29
 Mologne, Stuart Joseph, '48
 Monnick, Walter A. H., '03
 (*now M.D.*)
 Montgomery, Robert Jay, '48
 Monyak, Dorothy Vivian, '44
 Mooney, Jean Lois, '48
 (*now Mrs. Andrew Guskea*)
 Moore, Albert L., '00 (Scio)
 Moore, Charles Thomas, '10
 *Moore, Ellis Edward, '32
 *Moore, George Edward, '16
 Moore, James Lloyd, '31
 Moore, James Stewart, '51
 Moore, John Borland, '54
 Moore, John Harrison, Jr., '51
 Moore, John McCutcheon, '32
 Moore, Lester Vaughn, '28, '31
 Moore, Loyal Dean, '53
 Moore, O. R., '07 (Scio)
 Moore, Robert Pressley, '33
 Moore, Thomas E., '93 (*now M.D.*)
 Moore, Vernon R., '49
 *Moore, William H., '99 (Scio)
 Moore, William Morrison, '53
 Moore, William T., '04
 Moran, Earl Evans, '18
 Moran, Emmett F., '50
 Moran, Robert James, '25
 Moran, Paul Kenneth, '25
 Moran, William P., '04 (Scio)
 Moravek, Matilda Susan, '42
 Moreland, George Frederick, '33
 *Morgan, Donley Franklin, '14
 Morgan, Edgar T., '01
 *Morgan, John Alexander, '10
 Morgan, John Lewis, '25
 Morgan, Leonard Schofield, '11
 Morgan, Owen Richard, '06
 Morgan, Samuel Roscoe, '20
 Morgan, Thomas Lee, '08
 Morgan, William McKinley, '12

- Moritz, Silbert Martin, '52
 Moroz, John Michael, '13
 Morrell, George Anthony, '58
 Morris, Charles Rolland, '26
 Morris, David, '54
 Morris, Harry Albert, '00
 Morris, Harry D., '52
 Morris, Jack, '49
 Morris, Karl Elwood, '28
 (now M.D.)
 Morris, Norman, '57
 *Morrison, Charles Ray, '20
 Morrison, Howard Harman, '23
 Morron, John A., '18
 Morrow, Anne Edna, '99
 *Mortland, R. R., '94 (Scio)
 Morton, John Harold, '29
 Mosca, Charles Edwin, '52
 *Mosca, Herbert Pratt, '12
 *Moschetti, Orlando Anthony, '47
 Moscowitz, Leon, '25
 Mosenson, Daniel, '38
 (now Daniel T. Mosse)
 Moser, Frank DeFord, '26
 *Moses, Benjamin L., '06
 *Moses, Robert Robinson, '15
 Mosley, William Henry, '43
 Moss, James Andrew, '56
 Mosse, Daniel T., '38
 (see Daniel Mosenson)
 Mossett, Oliver Nelson, '06
 Mountford, Edwin J., '26
 Mounts, Richard Chester, '26
 Moxley, Morris Robert, '24
 Moyer, John Franklin, '12
 Moyer, Ray P., '07 *(now M.D.)*
 Mozdy, Frank Delano, '58
 Mraz, Robert William, '34
 *Muchnic, Adolph M., '05
 (was M.D.)
 Muir, Alexander Clark, '21
 Muirhead, William, Jr., '56
 Mulac, Joseph Carl, '31
 Mulkmus, George Albert, Jr., '40
 Mulligan, Ernest David, '50
 Mulvane, Joseph B., '95 (Scio)
 Mundschower, Walter S., '05
 Munsch, Albert Anthony, '07
 Munsch, Francis Xavier, '07
 Muoio, Joseph A., '53
 Murphy, Charles C., '04 (Scio)
 Murphy, Dionysius Tobias, '06
 *Murphy, Fred J., '07 (Scio)
 Murphy, George Vincent, '32
 Murphy, James Henry, '28
 Murphy, John Anthony, '57
 *Murphy, John F., '88
 Murphy, John Robert, '31
 Murphy, John Watson, '32
 *Murray, Charles Ruth, '08
 Murtland, Curtis Blaine, '15
 Murtland, James Burt, '22, '24
 Murtland, James Madison, '50
 Murtland, Ralph Eugene, '18
 Murtland, Roberta Mae, '41
 Muse, Howard Clinton, '41
 Musgrove, Mrs. Jane, '38
 (see Jane Rea Carnahan)
 Musulin, Michael, '58
 Myer, Roger William, '54
 Myers, Anna Marie, '56
 Myers, Charles Driehorst, '25
 Myers, Charles Joseph, '07
 Myers, Donald, '55
 Myers, Mrs. Ella Phillips, '16
 (now Mrs. Ella P. Stewart)
 Myers, George Jacob, '12
 Myers, Jacob Orlando, '11
 Myers, John W., '23
 *Myers, Louis, '22
 Myers, Page Dammern, '34
 *Myers, Robert George, '19

- Myers, Samuel Day, '03
 Myers, Ulysses G., '92
 Mysliwicz, John, '55
- Nadolny, Merle Joseph, '14
 Nahar, Helen Elizabeth, '20
(now Mrs. Charles Rice)
- Nail, Roy McCabe, '02
 Napierkoski, Anthony John, '25
(now Anthony Napier)
- *Nathanson, Abraham Benjamin, '19
 Nathanson, David, '18
 Nathanson, Harry, '21
 Navaroli, John N., '51
 Nayman, Burton David, '49
 Neal, Paul Ralston, '36
 Nealis, Charles Christian, '32
 Nealon, Franklin Joseph, '23
 Neckerman, Mrs. Paul E., '19
(see Grace Clare Porch)
- Nedzinski, Vincent Anthony, '43
 Neeley, Ralph Exzeutah, '26
 Neider, Bernard Charles, Jr., '56
 Neil, Anna Patricia, '28, Hosp. Tech.
 Neilloy, John G., '99 (Scio)
 Neiman, Morris William, '23
 Neiman, Philip, '23
 Nellas, Spiro Louis, '57
 Nelson, Carl Ivan, '16
 Nelson, Charles, '04 (Scio)
 Nelson, Edward Monroe, '09
 Nemon, Harriet Mona, '29
(now Mrs. Tomaska)
- Nesbit, Robert Henry, '34
 Nesvisky, Philip, '29
 Nevin, Robert Wilson, '03
- *Nevin, William Scott, '98
 New, John Robert, '53
- *Newcomb, Cyrenius J., '92
(was M.D.)
- *Newcomb, Edwin Leigh, '24,
 PHAR.D. HON.
 Newcomb, James Cyrenius, '50,
 M.S. '52 Graduate School
- Newcomer, Robert Wellington, '37
 Newell, George Edward, '26
 Newman, Raymond Albert, '36
 Newton, Beers E., '04 (Scio)
 Ney, Albert Raymond, Jr., '13
 *Ney, Martin C., '98 (Scio)
- Nicholson, John R., '96 (Scio)
 Nickum, Julian Foster, '16
 Nied, Edward Christoph, '17
 Nied, Helen Edna, '20
 Nieghorn, Gordon Emerson, '24
 Niggel, Theodore A., '04
 Nipar, John Edward, '37
 Nist, Richard LeRoy, '50
 Nixon, Clara E., '00 (Scio)
- *Nixon, Simeon, Jr., '97
 Noble, Lyman A., '00 (Scio)
 Nogrady, Alfred Joseph, '52
 Nolan, John Joseph, '37
 Nolte, Sister Mary Salome, '24, '26
(see Sister M. Salome)
- Noonan, Robert Anthony, '36
 Noone, John William, '26
 Norberta, Sister M. Hoffmann, '21-
 '24
(see Sister Norberta Hoffmann)
- Norman, Robert Kennedy, '11
 Norris, Scott Weir, Jr., '28
- *North, John Edward, '24
 North, Leland Sanford, '11
 Nosidlak, John Henry, '39
 Nossokoff, Samuel Maurice, '28
 Novak, JoClaire, '55
 Null, James Ashton, '12
 Numerosky, Isadore Leon, '26
- *Nutt, John Francis, Jr., '21

- Nutt, Paul Orlo, '13
 Nyegre, Eleanore Mary, '49
- Oaks, Mrs. Grover, '50
(see Helen Pauline Malisher)
- Oatis, John, '45
(see John Owczykowski)
- Obermeier, Lawrence Gerald, '25
- Obley, Sylvia Elizabeth, '99
(now Mrs. A. A. Galloway)
- *O'Brien, Sister M. Carmel, '11
(see Sister M. Carmel)
- *O'Brien, Mrs. Catherine, '29
(see Catherine Schmitt)
- O'Brien, James Stanley, '13
- O'Brien, Raymond Keith, '15
(now M.D.)
- O'Brien, Robert Stephen, '20
- *Ochsenhirt, Oscar Nicholas, '98
- Ochsenhirt, Walter John, '10
- *O'Connell, C. Leonard, '12,
 PHAR.D. '29
- O'Connell, Mrs. John Francis Regis,
 '50 *(see Mary Louise Shilen)*
- O'Connell, John Francis Regis, '49
- Odle, Sidney, '23 *(now M.D.)*
- O'Donnell, Mrs. C. D., '29
(see Clara Marie Young)
- *O'Donnell, Hugh J., '00
- O'Donnell, John J., '49
- O'Donnell, John James, '13
- O'Donnell, Richard Hugh, '36
- Oehling, Fred William, '29
- Oehling, Walter Wilbert, '38
- Oellig, Edwin James, '13
- Oellig, John Edwin, '47
- Ogden, James K., '05 (Scio)
- Ogilvie, William George, '19
- *Oglevee, Farrington B., '02
- *Oglevee, William H., '97
- Ogun, Jack Bert, '52
- Ohl, Jay Denham, '11
- Ohl, John Clarence, '51
- Ohl, Clarence Lloyd, '23
- Ohliger, Margaret Elizabeth, '31
(now Mrs. Fred Menges)
- Ohliger, Otho James, Jr., '30
(now M.D.)
- Ohliger, Paul Hubert, '40
- Oldfield, Sidney Wheatly, '32
- Oleyar, George William, '56
- Olitzky, Henry, '31
- Olitzky, Morris, '32
- Oliver, Curtis Stanley, '30
- Olmstead, Richard Mason, '56
- Oneacre, Louis W., '99 (Scio)
- *Ong, W. F., '01 (Scio) *(was M.D.)*
- O'Neil, John Albert, '13
- Oppy, William Henry, '17
- Ord, Frank S., '23
- Ord, John S., '51
- Orlansky, Herbert, '55
- Orr, Howard Dearing, '33
- Orr, Robert M., '54
- Osburn, Charles Clair, '09
- Oslacky, John, Jr., '34
- Osterwise, Richard Coulter, '09
- Ostrander, Robert Jesse, '26
- Ostrow, Harry Louis, '29
- O'Sullivan, Cornelius William, '03
- Oswald, Samuel Henry, Jr., '31, '33
- *Ott, Edward G., '03
- Otto, Karl Louis, '16
- Ourant, Charles W., '99 (Scio)
- Overstreet, Donald Hampton, '56
- Owczykowski, John, '45
(now John Oatis)
- Owen, Ernest E., '01 (Scio)
- Owens, Francis Joseph, '13
- Owens, John Rudolph, '29
- Oyer, Russell Clark, '31

- Paar, Homer John, '08
 Page, J. Earl, '03 (Scio) M.D.
 Page, Lester J., '02 (Scio)
 Paholsky, Ernest Robert, '57
 Pail, Frank Peter, Jr., '12
 Painter, Mrs.
 (see Rosemary Solensky)
 Paisley, Carl Egbert, '08
 *Paisley, George Scott, '94
 Paisley, Scott, Jr., '20
 *Palange, James Anthony, '18
 Palchak, Joseph Francis, '25
 Palchak, Joseph Francis, Jr., '55
 Palchak, Robert Francis Joseph, '48;
 M.S.; Graduate School, PH.D.
 University of Cincinnati
 Palermo, Frank Joseph, '25
 Palmer, D. W., '04 (Scio)
 Palmer, William W., '52
 Palmer, Winston A., '24
 Palmiero, Frank Dominick, '53
 Palmire, James H., '52
 Papernick, James Marley, '49
 (now James M. Hirsch)
 Papke, Herman Albert, Jr., '29
 Pappas, James, '49
 *Paransky, Nathan Edward, '31
 Parisse, Anthony D., '36
 Park, Earl Heath, '02
 (now D.D.S.)
 Parker, Hazel Jean, '49
 (now Mrs. James G. Chase)
 *Parker, Selmon W., '93 (Scio)
 *Parker, S. W., '04 (Scio)
 Parker, Thomas Ellwood, '06
 Parkinson, Kenneth W., '49
 *Parks, John Bratton, '08
 Parlavecchio, Dominic, '51
 Parrish, Edmund Thomas, '09
 Parson, Richard Verne, '51
 Parsons, Esther Ruth, '19
 Passalacqua, Frank, '21
 *Patrick, Elmer A., '95
 Patterson, Carl Fulton, '26
 Patterson, Charles M., '05
 Patterson, Donald Edgar, '41
 Patterson, Gifford Raymond, '32
 Patterson, Harry Elmer, '12
 Patterson, James L., '03
 Pattison, Robert Ellsworth, '30
 Patton, Jack Dell, '29
 *Patton, John Dickson, '13
 Patton, Samuel Willard, '09
 Pauly, Joseph Charles, '97
 *Pauly, Samuel L., '04
 Pauly, William Johnston, '30
 Payer, Ernest, '54
 Payne, Clarence Leroy, '09
 Payne, Edward A., '52
 Pearce, Charles Richard, '38
 Pearce, Craig English, '31
 Pearce, James Samuel, '29
 Pearce, John Rowland, '99
 *Pearce, Robert Abraham, '23
 Pearlman, Albert Samuel, '24
 *Peebles, John Franklin, '13
 Peebles, Norval Wayne, '37
 Peebles, William Loxley, '29
 Peel, Robert Leo, '09
 Peel, Robert Leo, Jr., '38
 Peoples, Charles Henry, '28
 *Pegg, Harry Wilson, '09
 Pekarek, Emil, '12
 Pelensky, Helen Lillian Olga, '32
 Pelley, Thomas M., '92
 Penn, John Y., '51
 Penn, William Glenn, '30
 *Peppel, Edward, '23
 Perciballi, Henry Peter, '51
 Perelman, David, '41, M.S. '54
 Graduate School
 *Perer, Oscar, '42

- Perlow, Stanley Howard, '57
 Perlut, Seymour Murray, '41
 Perrin, Albert Harry, '35
 Perry, Howard Lyle, '26
 Pesley, Clyde William, '25
 Peterman, James Erwood, '42
 Peters, Anna Marie, '55
 Peters, Charles Raymond, '29
 Peters, Dominic, '55
 Peters, Ronald Lionel, '53
 Peters, Victor O., '83
 Petraglia, Anthony Francis, '44
 Petrick, Raymond George, '56
 Pettis, Richard Hunley, '20
 Pfaff, Paul John, '00
 Pfeil, Edwin, '31
 *Pfeil, John Shenkle, '22
 Pfrogner, James Cajthaml, '44
 Pfrogner, Louis, '31
 Phelan, William, '20
 Phillippi, George Rhey, '25
 Phillips, Harold Fred, '28
 Phillips, John Huber, '00
 Phillips, Leo Preston, '12
 Phillips, William Travis, '10
 Piantanida, Edith Theresa, '38
 (now Mrs. William Mathews)
 Piantanida, John Louis, '29
 Piccirillo, Ralph M., '43
 (now Ralph M. Little)
 Pickard, Rodney Keister, '12
 Pickenpack, Marie Esther, '31
 (now Mrs. G. W. Shelton)
 Pickens, C. Herbert, '95 (Scio)
 Pickholtz, Edward Lee, '51
 Pida, John William, '51
 Pierce, Albert Arthur, '15
 Pietkiewicz, Roderick R., '38
 (see Roderick Walters)
 Pietkiewicz, Walter Leon, '31
 (see Walter Leon Walters)
 Pietkiewicz, Wladyslaw, '08
 Pillart, Casimir Francis, '20
 *Piper, Lewis D., '01
 *Piper, L. Edward, '08
 Piper, Paul Arthur, '26
 Piper, William Thomas, '00
 Pirilla, Joseph, '49
 Pirilla, Leonard Joseph, '35
 Piroch, Joseph Anthony, '25
 Pittenger, William Henry, PHAR.D.
 '25
 Plotner, Judson Bell, '49
 *Plotner, Judson Beswick, '12
 Plotner, William Cole, '43
 Plouse, John, '55
 Plummer, George Harold, '30
 Poad, Daniel Mellow, '25
 Pockock, Earl H., '98 (Scio)
 Podolsky, Rebecca, '32
 (now Mrs. Samuel Spokane)
 Pogorzelski, Edward, '30
 Polanski, Cecelia Veronica, '26
 (now Mrs. Edward Johns)
 Polanski, Joseph, '21
 Polansky, Desiderus, '26
 Polinchuk, Michael J., '17
 Polinchuk, Pauline, '19 *(now*
 Mrs. Charles Prokopovitch)
 Poling, Mrs. Marie Ward, '99
 (Scio)
 Pollard, Lee Ward, '03
 Pollick, Charles Zola, '41
 Pollock, William, '31
 Pomerantz, Leo Morris, '49
 Pontius, Harry E., '09
 Poole, Edward, '55
 Poorman, Charles Theodore, '26
 Pope, Palestine, '47
 (now Mrs. Zellars)
 Porch, Grace Clare, '19
 (now Mrs. Paul E. Neckerman)

- Porch, Grafton Frank, '16
 Porembski, Mrs. Blanche Cesia, '34
 Porter, Fred R., '99
 Porter, John Robert, '49
 Porter, Morgan Wolf, '10
 Porter, Robert Stanley, '58
 *Porter, Stephen G., '91
 Porter, William B., '22
 Porterfield, William Elsworth, '35
 Portman, Leo Edward, '11
 Portman, William O., '22
 Portnoy, Fred Jack, '49
 *Poth, A. Herman, '92
 *Potter, D. Fred, '99 (Scio)
 Pottorf, E. O., '92 (Scio)
 Pottorf, Leroy J., '02 (Scio)
 Poundstone, Paul, Jr., '37
 Poundstone, William Westley, '16
 Poust, Irvin Kenneth, '39
 Povaloski, Fred Joseph, '21
 Powers, Charles Prior, '13
 Powley, Howard C., '23
 Pratt, James Arthur, '28
 Prendergast, Thomas Raymond, '58
 Prescott, William Graham, '21
 Pretter, Paul, '52
 Price, Charles Edwin, '08
 Price, Norman, '20
 Primas, Henry Davis, '14
 Primas, Theodore Wilson, '15
 Primas, Theodore Wilson, Jr., '48
 Prince, Margaret Lucille, '48
 (see Mrs. Howard W. Schall)
 Pringle, A. A., '86
 Printz, Morton Phillip, '58
 Prioletti, Philip Anthony, '25
 *Pritchard, Benjamin Elliott, PH.M.
 HON. '15
 Prokopovitsh, Mrs. Charles J., '19
 (see Pauline Polinbuk)
 Prokopovitsh, Charles Joseph, '30
 Pryce, Harry Wayne, '25
 Pryce, Richard Vaughn, '20
 *Puckner, William August, PHAR.D.
 HON. '12
 Puglisi, Josephine Marie, '32
 (now Mrs. Milton DuVall)
 Puglisi, Richard Ciro, '50
 Pujia, Quido Joseph, '34
 *Pullen, William Lewis, '24
 Pundzak, Michael John, '39
 Purpura, Mathew J., '58
 *Purvis, Samuel Giffen, '99
 Puterbaugh, Walter Henry, '12
 Pyfer, Edward William, '09

 Quarles, Benjamin Harrison, '21,
 PH.C. '23
 Queen, George L., '06 (Scio)
 Queen, Lony Theophilus, '14, '17
 Quillin, Mrs. Bernice, '17
 (see Bernice S. Burrier)
 Quinn, D. E., '91 (Scio) M.D.

 Rabinovitz, Joseph Simon, '30
 (now Joseph S. Robin)
 Racusin, Oscar, '24
 Rader, Lewis Harold, '32
 Raffensperger, George Clayton, '32
 Rager, Robert Blair, '49
 Raible, Robert Joseph, '57
 Rainey, Ralph Scott, '25
 Rainsberger, Lettie, '02 (Scio)
 Raisley, Chester Merle, '09
 Rand, Louis, '24
 Randel, Emil Anthony, '41
 Randel, William Albert, '28
 Rankin, Edgar Addison, '96
 Rankin, James L., '89
 Rapalis, Ruth Bernice, '53
 Rapoport, Arnold, '55
 Rapoport, Irving, '29

- Rauch, Harvey M., '99 (Scio)
 Rauch, Jay Edwin, '29
 Raugh, Charles Lewis, '42
 Rawson, William Henry, '18
 Ray, Harry Tilden, '03
 Ray, Talmage Turner, '21
 Raybuck, Perry L., '50
 Rayl, Leon Bradford, '26
 Raymond, Mrs. William, '30
 (see Lena F. Gatti)
 *Rea, Frank G., '92 (Scio)
 Reall, Raymond Thomas, '26
 Rebert, Cecil Brainerd, '37
 Rebich, Eli Michael, '50
 Rectenwald, Charles Anthony, '28
 Rectenwald, Frank A., '04
 *Rectenwald, Lawrence E., '02
 Reed, Clyde Thaddeus, '15
 Reed, Elmer E., '99 (Scio)
 *Reed, John Edwin, '18
 Reed, John T., '83
 Reed, Malcolme Earl, '15
 Reed, William Harry, Jr., '04
 Rees, Elizabeth Ann, '57
 Rees, John Garfield, '25
 Rees, William Thomas, '33
 Reese, Kenneth Adam, '32
 Reeser, Dick Miller, '26
 Reeves, Ernest Alexander, '33
 *Reeves, Ernest J., '06
 *Reeves, Forney Ammons, '10
 *Reeves, Jesse S., '03 (Scio)
 Reeves, Terrence Morton, '21
 Rehanek, Lawrence Abe, '28
 Reich, Isadore Earl, '29
 Reich, Jack Milton, '30
 Reich, Milton, '41
 Reich, Samuel Joseph, '23
 *Reichard, Frederick Kimble, '08
 *Reichenecker, George William, '22
 Reid, Robert Victor, '07
 Reidbord, Marvin S., '56
 Reif, Edward A., '49
 Reif, Edward Clarence, '06, PH.C.
 '16, PHAR.D. '19
 *Reif, Fred, '08
 Reif, Fred, Jr., '40
 Reilly, Robert William, '22
 Reiner, Abraham, '23
 Reiner, Frank, '57
 Reinersman, Lawrence Joseph, '58
 Reinsel, Clifford Augustin, '31
 Reinwald, Henry William, '07
 Reiser, Earl, '51
 Reiser, Gustave Henry, '07
 *Reiser, Harry P., '01
 Reising, Joseph Albert, '25
 Reisman, Carl, '23
 Reiter, Adolph, '23 (*now M.D.*)
 *Reitler, Frederick August, Jr., '24
 Rempes, Howard C., '04 (Scio)
 Renner, Albert Joseph, '15
 Resnick, Joseph Peter, '37
 Retzer, Justus Francis, '28
 Reutter, Mrs. Frederick W., '42
 (see Betty Ann Makara)
 Reutzell, Joseph, '49
 Reynard, Horace W., '92 (Scio)
 Reynolds, Raymond E., '02 (Scio)
 Rhea, Charles Adelbert, '10
 Rho, Richard Euro, '57
 Rhodes, Edward Frank, '13
 Rhone, Richard Andrew, '36
 Rice, Charles, '40
 Rice, Mrs. Charles, '20
 (see Helen Elizabeth Naber)
 Rice, Frank Philip, '40
 Richards, Earl, '08 (Scio)
 *Richards, George W., '92
 Richards, Harold Ellsworth, '29
 *Richards, John M., '03
 *Richards, Miles, '97

- Rickard, Chauncey Edward, '24
 Rickard, Lawrence Meyers, '25
 *Rickard, Mildred Pryde
 (*Mrs. Chauncey*), '32
 Riddle, James Louis, '24
 Rider, John Fawcett, '15
 Riemer, Morris, '43
 Riemer, Samuel, '43
 Rigby, Clarence Albert, '14
 Rigby, Harry F., '99 (Scio)
 *Rigby, Lester George, '11
 Riggs, William Francis, '15
 Rightnour, James Robert, Jr., '57
 Rihm, Edward John, '97
 Riley, Gerrit Newsome, '29
 *Rimer, Harrison Collner, '26
 Rinehart, Charles Ray, '16
 Ringer, Charles E., '94 (Scio)
 *Ringer, J. Coradon, '08 (Scio)
 Ringler, George Daniel, '58
 Ringler, Harry Edward, '24
 Ringold, Jacob, '12
 *Riott, Lawrence F., '87
 Ripp, Emanuel, '28
 *Risbeck, John M., '05
 Risch, Clifford Ellsworth, '36
 Riser, Martha Anne, '51
 Ritchie, James Hartley, '49
 *Ritzi, Leo, '15
 Ritzi, Louis Walter, '11
 Roba, Elvira Elizabeth, '51
 (*now Mrs. Merle R. Robertson*)
 Roba, Gabriella Olga, '53
 (*now Mrs. Raymond Cappelli*)
 Robak, William Nicholas, '12
 Robb, Vincent Dorney, '30
 *Robbins, Charles W., '05
 Roberts, Arthur Hugo, '17
 Roberts, C. E., '85
 Roberts, Ronald H., '54
 Roberts, William Edd, '48
 *Robertson, A. C., '80
 Robertson, John H., '18
 *Robertson, Maryonette Knott, '28
 Robertson, Mrs. Merle, '51
 (*see Elvira E. Roba*)
 Robertson, Merle, '51
 Robertson, Murell Dewey, '16
 Robertson, Mrs. Sara Louise, '41
 (*see Sara Louise Eckbert*)
 Robic, George William, '47
 *Robin, David N., '04
 Robin, Joseph Simon, '30
 (*see Joseph Simon Rabinovitz*)
 *Robinson, D. Fred, '84
 Robinson, Emma G., '00 (Scio)
 (*now Mrs. Thompson*)
 Robinson, Everett G., '98 (Scio)
 Robinson, Henry S., '91 (Scio)
 Robinson, Paul Chester, '13
 Robinson, Paul Chester, Jr., '43
 Robinson, Richard Bruce, '39
 Robyak, Edward Robert, '41
 Rock, John, '21
 Rock, William Cassel, '32
 Rockman, Joseph, '29
 *Rodemoyer, William Edward, '97
 Rodriquez, Bernado Francisco, '16
 *Roe, Lawrence John, '10
 *Roebuck, James Thomas Manning,
 '15
 Roessing, Mrs. C. C., '21
 (*see Marguerite McCullough*)
 Rogers, Carl L., '04
 Rogers, Charles Alexander, '93
 (*now M.D.*)
 *Rogers, Thomas B., '82
 Rogers, Warner O., '04 (Scio)
 Roman, Joel Donald, '58
 Romig, Emerson V., '99 (Scio)
 Rominger, Lewis Thomas, '17

- Ronan, Eugene Augustine, '30
(*now M.D.*)
- Ronczka, Joseph, '23
- Ronk, Mrs. Howard D., '22
(*see Marguerite McNally*)
- Rooker, James Ardelle, '24
- Roose, Carl Richard, '25
- Roperti, Francis Michael, '54
- Rose, Raphael, '44
- Rose, Sheldon S., '58
- Rosen, Arthur Zemon, '26
- Rosen, Meyer William, '24
- Rosen, Samuel Edward, '26
- Rosen, Sanford, '36
- Rosenberg, David, '26
- Rosenberg, Eva Gertrude, '40
(*now Mrs. Goretz*)
- Rosenberg, Harold, '42
- Rosenberg, Israel, '30
- Rosenberg, Meyer Benjamin, '28
- Rosenberg, Nathan, '29
- Rosenberry, Jack Leroy, '35
- Rosenblatt, Samuel Walter, '25
- Rosenfield, David P., '53
- Rosenthal, Alan D., '52
- Rosenthal, Alex, '32
- Rosenthal, Emanuel, '22
- Rosenthal, Mrs. E. N., '22
(*see Willa Handmacher*)
- Rosenthal, Nathan Louis, '28
- Rosenthal, Thomas, '07
- Rosenthal, Charles Howard, '56
- Rosenthal, James DeH., '57
- Rosile, John Paul, '57
- Rosko, Charles, '54
- Rosner, Stanford Maynard, '43
- Rososky, Alton Frederick, '49
- Ross, Florence Elizabeth, '44
(*now Mrs. Burnett*)
- Ross, Fred Allen, Jr., '42
- Ross, Joseph, '43
- Ross, Joseph Thomas, Jr., '48
- Ross, Michael Eugene, '47
- Ross, Paul Hanson, '20
- Ross, Ralph Gervino, '42
- Ross, Robert Scott, '30
- Ross, Saul, '49
- Ross, William Paul, '36
- Rossen, Joseph Bernard, '26
- Roth, Oscar Isaac, '30
- Rothman, Morris Edward, '25
- Rotthoff, Adam James, '25
- Rouse, Charles A., '25
- Rougeux, James Edward, '51
- Roush, David Warren, '07
- *Roush, Fred A., '01 (Scio)
- Rouzer, John Raffensperger, '38
- Rouzer, John Wanamaker, '14
- Rouzer, Richard C., '50
- *Rovensky, Joseph C., '12
- Rovensky, William Richard, '16
- Rovno, Leon, '17
- Rowan, William DeForrest, '28
- *Rowse, Edwin Frederick, '99
- *Rowse, Edwin S., '06
- Rowse, Edwin Symonds, Jr., '37
- *Rowse, Elijah Frederick, '23
- Rowse, Eugene Dewey, '26
- Rowse, Thomas Milton, '26
- Rowse, William Reed, '42
- Royston, John Moore, '18
- Ruben, Jacob Eli., '24
(*now Jack Eli Ruben*)
- Rubenstein, Harold Bernard, '50
- *Rubin, Bert, '28
- *Rubin, Max Edwin, '28
- Rubin, Morris Allen, '29
- Rudner, Allan J., '51
- Rumbarger, Roy L., '50
- Ruoff, Grover Cleveland, '17
- Rupert, Miles Francis, '20
- Rupp, James Everts, '50

- Rupprecht, John Raymond, '57
 Rush, Glenn Wilbert, '23
 *Rush, Thomas Frederick, '42
 Rushton, William Hudson, '13
 *Russell, Thomas J., '84
 Russo, Eugene, '23
 Russo, John, Jr., '56
 Rutkin, Samuel, '39
 Rutledge, E. D., '94 (Scio)
 Rutledge, John S., '08 (Scio)
 Rутtenberg, Max, '29
 Rutter, Joann, '58
 Rutter, Robert Edgar, '41
 Ryall, David Woods, '12
 Ryall, George Richard, Jr., '40
 Ryall, George Richard, '15
 Ryall, James Robert, '41
 Ryan, James Richard, '51
 Rynd, Agnes J., '04
 (now Mrs. F. F. Walker)
- *Saalbach, Carl, '97
 *Saalbach, Louis, '95, PHAR.D. '08
 Saba, Salvatore Ralph, '58
 Sacks, Simon Avrons, '22
 Safier, Samuel Seward, '31
 Sakol, Ronald, '50
 Salchow, Edward Otto, '25
 Sallese, Dominick, '52
 Salloum, Antoine Albert, '40
 Salmon, James, '55
 Salome, Sister Mary, '24, '26
 (see Sister Mary Salome Nolte)
 Salonus, William Joseph, '43
 *Saltzer, August, '99
 Sample, Oliver Hazen, '07
 Sandbach, Elmer Elsworth, '08
 Sandene, Clarence Lyle, '49
 Sanders, Henry Allen, '18
 Sanders, Thomas Boyde, '41
 *Sandles, Van Amburg, '96
- Sandles, William Wellings, '26
 Sandomire, Samuel, '14
 Sanes, Robert, '24
 Sanford, Graham Bert, '30
 Santos, John B., '16, PH.C. '17,
 PHAR.D. '18
 Sapida, John William, '49
 Sapir, Milton Harold, '31
 Sapochak, Andrew John, '48
 Sapochak, Mrs. Andrew, '48
 (see Charlotte Krause)
 Sapochak, Charles Basil, '42
 Sarandria, Dorothy Virginia, '49
 (now Mrs. George Kelly)
 Sarcinella, Lewis Galizia, '28
 Sargent, Edward Hyler, '42
 Saron, Irwin Isadore, '28
 Sarver, Homer B., '02
 *Sarver, Oliver C., '80
 *Sarver, William Charles, '15
 *Saville, D. W., '91 *(was M.D.)*
 Saville, Edgar Alvin, '36
 *Sawhill, David Frank, '80
 Sax, Sylvan Maurice, '44, PH.D. '53
 Pitt Graduate School
 Saxman, George Lawrence, '28
 Sayers, Darwin Lowell, '30
 Saylor, George Bast, '27
 *Schad, Paul Otto, '13
 Schafer, Charles Adolph, '94
 Schaefer, Charles Henry, '96
 *Schaefer, Emil A., '84
 Schalit, Fred Martin, '54
 Schalit, Rae Sal, '56
 Schall, Mrs. Howard, '48
 (see Margaret Prince)
 Schall, Howard Walter, '48
 Schambra, Charles C., '96 (Scio)
 Schauwecker, John Robert, '24
 Scheibler, Walter Freeman, '08
 Schein, Thelma Marie, '24

- Schell, Earl A., '08 (Scio)
 Scherr, Abraham, '30
 *Schick, Verne James, '30
 Schiff, Herman, '21
 *Schill, Theodore Jacob, '10,
 PHAR.D. '12
 *Schiller, Fred, '02
 Schilling, August Francis, Jr., '41
 Schindel, Arthur Fred, '36
 Schlagel, Carl Alvin, '52, M.S.; PH.D.
 Ohio State University
 *Schlegel, Frederick Norman, '26
 Schlesinger, Alex, '37
 Schlieper, Elmer Charles, '33
 Schlup, Samuel, Jr., '09
 Schmid, Albert Thomas, '25
 *Schmidt, Alice Mae, '24
 Schmidt, Frank Andrew, '43
 *Schmidt, John A., '82
 Schminkey, Earl Conrad, '26
 *Schminkey, Paul Whyman, '18
 *Schmitt, Catherine, '29
 (*was Mrs. O'Brien*)
 Schmitt, Charles A., '02
 Schneier, Jess Robert, '36
 Schnell, James Augustus, '97
 Schoch, Martha Ann, '57
 *Schoenberg, Jack, '15
 Scholl, Clemens Francis, '29
 Scholl, John Douglas, '19
 *Scholz, William Frank, '08
 Schonberger, Maurice, '14
 *Schoonover, Raymond William, '09
 Schor, Leo, '29
 Schottenheimer, Mrs. Lee, '29
 (*see Elizabeth Meinz*)
 Schraf, William Edward, '58
 Schratz, Anton, '29
 Schratz, Thomas, '34
 Schreck, William John, '08
 (*now Optometrist*)
 *Schreiber, Harry, '22
 Schreiber, Samuel, '26
 Schrum, Eugene Barr, '26
 *Schuchmann, William, '94
 Schuette, Edwin Russell, '29
 Schuette, George Henry, '24
 Schuetzman, Ralph, '25
 Schuey, John Francis, '17
 Schulman, Isadore, '28
 Schultz, Merritt Campbell, '23
 Schulze, Edward C., '08 (Scio)
 Schwartz, Benjamin, '31
 Schwartz, Charles Oscar, '49
 Schwartz, Edgar Harold, '25
 Schwartz, Edward Alfred, '53
 Schwartz, Harvey Stuart, '56
 Schwartz, Herbert Frederick, '22
 Schwartz, Herbert Frederick, II, '42
 Schwartz, Howard Samuel, '44
 Schweitzer, Floyd Lester, '10
 Schweitzer, William Carl, '05
 Schweitzer, Wilmer, '55
 Schwitzer, Samuel Louis, '32
 (*now Samuel S. Dearling*)
 Sclarsky, Maurice Morris, '31
 Scollon, Richard Calvin, '18
 Scorer, Matthew Hope, '00
 Scott, Earl M., '04 (Scio)
 Scott, Harry Rayburn, '07
 Scott, Joseph Charles, '26
 (*see Joseph Charles Szarzynski*)
 Scott, Lloyd Farrar, '16
 Scott, Mrs. L. M., '30
 (*see Irma Pauline Seibert*)
 Scotti, Arthur Victor, '56
 Scranton, Mrs. Gertrude, '95 (Scio)
 Sealbright, Ernest C., '94 (Scio)
 Seastead, Raymond Bernard, '48
 Seastead, Robert Arnold, '56
 Secher, Morris Louis, '28
 Secreto, Mary Jane, '48

- *Seeds, William Hare, '16
- *Seegman, Meyer P., '04
- *Seegman, Saul, '09
- Sefert, Howard Charles, '21
- Segal, Mervin, '49
- Segall, Harry, '23
- Segel, Harry, '18
- Segel, Isadore John, '24
- Segin, Mrs. Stephen S., '29
(see *Gizella Dolores Bodner*)
- Segneff, Irwin, '50
- Seibert, Herbert LaRue, '16
- Seibert, Irma Pauline, '30
(Mrs. L. M. Scott)
- Seidel, Henry George, '28
- *Seigfried, Jean Marie, '28
- Sellars, Charles Leslie, '30
- *Sister Mary Mildred Selzer, '26
- Semmer, Philip, Jr., '12
- Semple, James Howard, '35
- Sennett, Thomas Gerard, '22
- *Setler, Carl George, '30
- Sgarlata, Joseph Mario, '24
- Shaefer, Frederic Virgil, '57
- Shaefer, Virgil, '23
- Shafer, Charles Samuel, '29
- Shafer, George, '55
- *Shafer, J. A., '82, PHAR.D. HON. '04
- *Shaff, Oliver Brown, '97
- Shaffer, Carl Monroe, '37
- Shaffer, Chalmer Bert, '50
- Shaffer, Mrs. Chalmer, '50
(see *Joan Shankel*)
- Shaffer, Eugene Holmes, '12,
PHAR.D.
- Shaffer, Eugene Marshall, '16
- Shaffer, Evan Robert, '25
- Shaffer, Fred, '55
- Shaffer, Ira Homer, '12
- Shaffer, Robert Lee, '36
- Shaffer, Thomas, '54
- Shaffer, William Ogden, '14
- Shakley, Carl Vincent, '14
- Shaler, Edgar C., '99
(now *Edgar C. Sheller*)
- Shank, Earl Eugene, Jr., '47
- Shanks, William H., '02 (Scio)
- Shankel, Joan K., '50
(now *Mrs. Chalmer Shaffer*)
- Shankel, Joseph Marshall, Jr., '25
- Shankel, Joseph Marshall, '53
- Shapira, Hannah Rae, '29
Hosp. Tech.
- Shapiro, Abraham Max, '21
- Shapiro, Herbert Joel, '44
- Shapiro, Maurice Isaac, '23
- Sharp, George Arthur, Jr., '25
- Sharpnack, Frank Inghram, '10
- *Shaub, J. Raymond, '09
- Shaver, James Walter, '38
- Shaw, Charles Elizah, '05
- Shear, Joseph, '28
- Shear, Samuel Thomas, '30
- Sheller, Edgar C., '99
(see *Edgar C. Shaler*)
- Shelton, Mrs. George W., '31
(see *Marie Esther Pickenpack*)
- Shenker, Sherman Howard, '41
- Shepherd, Victor Herbert, '37
- Shepman, Meyer, '24
- Sherman, Casper Jack, '28
- Sherman, Mrs. Florence Anne, '51
(see *Florence Anne Hartos*)
- Sherman, Francis Milton, '32
- Sherman, Max, '53
- Sherman, Meyer Abraham, '24
- Sherman, Samuel Louis, '24
- Sherrin, Bernard Jay, '38
- Sherwood, Margaret Frances, '53
- Shields, Benjamin R., '04
- *Shields, Sister Berchmans, '24
- Shields, Michael Lawrence, Jr., '31

- Shiesl, Ralph Webster, '25
 Shilen, Mary Louise, '50 (*now Mrs. J. F. Regis O'Connell*)
 Shimkus, Joseph Bernard, '38
 Shinglar, Mrs. Harry A., '19
 (*see Cortnaye B. White*)
 Shipley, Ned Clark, '43
 Shipley, Oran George, '36
 Shira, Hiram Craig, '26
 Shirer, Carl, '21
 Shirley, Frances Elizabeth, '50
 (*Mrs. Mireh J. Dabrosky*)
 *Shockner, John H., '04
 Shoenthal, Donald Ray, '52
 Short, John Albert, Jr., '57
 Showalter, Clarence E., '20
 *Shrader, Charles, '12
 *Shrimplin, L. D., '85
 *Shrom, Charles B., '88
 Shultz, Karl B., '28
 Shumaker, Edgar Kimmel, '99
 (*now M.D.*)
 Shupe, Albert Dwight, '26
 Sickman, Ralph McKinley, '25
 (*now D.C.S.*)
 Sidberry, Thelma Rejeania, '58
 Sidehamer, Andrew Thomas, '17
 Sidehamer, Charles, '22
 Sidehamer, James William, '26
 Siegel, David, '25
 *Siegel, Harry Zacharia, '26
 Siegel, William Fischer, '34
 Sieger, Alex, '30
 *Siegrist, Charles H., '94 (Scio)
 Siegrist, J. A., '92 (Scio)
 Sigmann, Roswell Park, '24
 Silber, David Lawrence, '26
 Silken, Herman Harry, '29
 Silvagni, Michael Angelo, '30
 Silverberg, Frank, '25
 Silverise, Ralph Frederick, '51
 (*now Ralph F. Stevens*)
 Silverman, Hyman, '19
 Silverman, James F., '53
 Silverman, Leonard, '51
 Silverman, Samuel, '22
 Silverman, Sidney, '48
 Silvester, Peter John, '38
 Silvestri, Silvestri, '41 (*now LL.B.*)
 Silveus, Fred Earl, '09
 Simendinger, Albert John, '16, '17
 *Simkins, George, '97 (Scio)
 *Simmerman, G. S., '07 (Scio)
 Simmons, Albert, '58
 Simon, Charles Joseph, '26 PH.C. '27
 Simons, Edward, '42
 Simpson, Cyril George, '21
 Simpson, Franklin Robert, '58
 Simpson, Harry Elwood, Jr., '15
 Simpson, William Monroe, '13
 *Sims, James Clothier, '08, '09
 PHAR.D.
 Singer, Aaron S., '50
 Singer, Philip, '41
 Singer, Robert Neil, '22, PH.C. '25
 Sipe, Charles Andrew, '40
 Sipp, E. W., '99 (Scio)
 Sisko, Stephen Regis, '48
 Sisley, Harry Lloyd, '17
 *Sitnek, Jacob, '11
 Sklar, Sigmund Vincent, '43
 Sklenar, Robert J., '58
 Sklenar, Samuel G., '57
 Skonieczkowski, Michael Francis, '06
 (*see Francis J. Michael*)
 Skurkay, George Francis, '14
 Slater, James Edmund, '14
 Slaton, Louis, '48
 Sleigh, William Gordon, '31
 Slezzynger, Chester John, '53
 Slifkin, Lester, '22

- Sloan, Edwin L., '31
 Sloan, Harry Alvin, '20
 Sloan, Orlo Thomas, '23
 Sloan, Walter Leslie, '21
 Slobodian, Charles, '55
 Slome, Herman N., '22
 *Slovick, William, Jr., '32
 Smail, Harry Gordon, '21
 Smaldone, Jeanne Rita, '48 M.S. '54
 Graduate School
 (Mrs. Michael Cappelli)
 Smathers, Winfield Scott, '15
 *Smetana, Andrew Joseph, '10
 Smetana, Frances Teresa, '29
 (Mrs. Wallace A. Hull)
 *Smith, Mrs. Belle Perkins, '19
 *Smith, Charles Edgar, '00
 *Smith, Charles Elmer, '05
 Smith, Charles Henod, '04
 Smith, Charles Joseph, '21
 Smith, Charles Russell, '16
 Smith, Donald James, '41
 Smith, E. F., '05 (Scio)
 Smith, Ernest Luther, '32
 Smith, Eugene Raymond, '15
 Smith, Eugene Raymond, Jr., '37
 Smith, Frank Hoover, '26
 Smith, Frank R., '96 (Scio)
 Smith, George Edward, '38
 Smith, Gerald Lee, '58
 Smith, Howard Harold, '49
 Smith, Howard Mitchell, '14
 *Smith, Irwin Sylvester, '10
 Smith, Jackson Shephard, '25
 *Smith, James R., '95
 Smith, John Daniel, '16
 *Smith, John Edgar, '15
 Smith, Joseph Homer, '05
 Smith, Karl L., '01
 Smith, Kenneth Carroll, '52
 Smith, Leonard Russell, '43
 Smith, R. Stuart, '07 (Scio)
 Smith, Reginald Weldon, '49
 Smith, Robert Carl, '28
 *Smith, Robert Grey, '15
 Smith, Walter Lochard, '97
 Smith, Winfield Scott, Jr., '43
 Smith, Winfield Scott, Sr., '03
 Smoller, Paul, '32
 Smolovitz, Jacob, '07
 Smor, Adalbert Michael, '28
 (Bela Michael Czmor)
 Smouse, Eugene Garretson, '38
 Smythe, William Raymond, '05
 Snavely, Jesse Kyle, '15
 *Snedden, Alexander Ross, '00
 (was M.D.)
 Snedeker, George Arthur, '48
 Sniderman, Ben Bernard, '29
 Sniderman, Marvin, '43 *(now D.D.S.)*
 Snodgrass, Wilbert Homer, '32
 Snyder, Charles Edward, '10
 Snyder, Clark G., '21
 Snyder, Goldie Esther, '20
 Snyder, Robert Thomas, '54
 Snyder, Rollin LeRue, '00
 Sobel, Abraham A., '23
 Sofaly, Gerald Charles, '54
 Soffel, Albert Edward, '96
 Sohn, Charles Phillip, '09
 Sole, D. Wilson, '04 (Scio)
 Solensky, Rosemary L., '49
 (Mrs. Painter)
 Soles, Harry Clayton, Jr., '49
 Soles, Hugh Earl, '50
 Solis, Aurelio C., '17
 Solodar, Henry Allen, '41
 *Solodar, Oscar Henry, '07
 Solomon, Alvin Leonard, '50
 Solomon, Lillian F., Hosp. Tech., '29
 Sorg, A. M., '84
 Souders, Samuel R., '94 (Scio)

- Soult, Floyd H., '09
 South, Mrs. Annabel G., '18
 (see Annabel G. Gardill)
 Southwick, Walter Wilmot, '22
 Sowko, Mary Ann, '51
 Sowko, Rudolph John, '25
 Spalding, George A., '03
 Spalding, Lewis Carl, '11
 Spang, Charles Albert, '91
 Spangler, Budd Fleming, '42
 Spaniel, John Nicholas, '26
 Spann, Isadore, '09
 Spatz, Joseph M., '03
 Speck, John Herman, '12
 Speer, Mrs. H. B., '23, '26
 (Elizabeth A. Hume)
 Speer, John D. Pearl, '96
 *Speicher, Earl Edward, '23
 Speidel, James Herbert, '52
 Spence, Clarence Garfield, '99
 Spence, Emily Grace,
 Hosp. Tech., '33
 Spence, Ralph Robert, '29
 *Spence, Thomas Turnbull, Jr., '31
 Spencer, Samuel Francis, '24
 Speranzo, Milo Francis, '42
 Spevock, David Louis, '30
 Spiegelman, Joseph, '28
 Spieth, Randall D., '17 *(now M.D.)*
 *Spilker, Henry August, '94
 Spirer, Albert, '40
 *Spohn, Harry Fred, '11
 Spohn, Walter Rudolph, '15
 Spokane, Mrs. Samuel, '32
 (Rebecca Podolsky)
 Sporck, August Henry, '19
 Spragg, Carl Maple, '11
 Sprowls, Lester Ross, '04
 Squiers, Frederick Griffith, '24
 Squiers, William G., '50
 Squitieri, Leo, '21
 *Squitieri, Paul Thomas, '09
 Staats, Harold William A., '29
 Stabler, David Rudolph, '16
 *Stadtlander, Albert F., '04
 Stadtlander, Fred Hugh, '35
 Stager, Mrs. Daniel T., '46
 (Martha Vinosky)
 *Stainbrook, Ralph Oliver, '19
 *Stairs, Bernard Franklin, '34
 Staley, Edward William, '28
 Stamm, George C., '23, Hosp. Tech.
 '24 *(now M.D.)*
 Stamm, James H., '50
 Stanford, Ralph Orlando, '97
 *Stanton, Charles Campbell, '99
 (was M.D.)
 Stanyard, Jesse Charles, '28
 Starrett, Harry Alton, '16
 Statler, Robert Allan, '42
 Staubarger, Morris H., '07 (Scio)
 Stauff, Albert Joseph, Jr., '17
 Stauffer, Clarence Algamon, '10
 *Stauver, George P., '82
 Staving, Edward, '12
 St. Clair, Russell, '11
 *Stech, George Oscar, Jr., '08
 Steele, Andrew Judson, '28
 *Steele, Benjamin E., '00 (Scio)
 Steele, Frank John, '30
 Steele, Herbert A., '96
 Steele, Nancy A., '52
 (Nancy A. Little)
 Steele, William Richard, '28
 Steffey, Charles Addison, '12
 Steiminger, Joseph Carl, '28
 Stein, Elder Herman, '31, '33
 Stein, Jack Isodore, '57
 Stein, James, '40
 Stein, Joseph, '23
 Stein, Joseph Martin, '37
 Stein, Lawrence David, '28

- Stein, Mrs. Lawrence, '43
(see *Louise Tischler*)
- Steiner, Mrs. E., '25, '28, '31
(see *Dorothy L. Averbach*)
- Steiner, Emery James, '31
- Steiner, Joseph Seymour, '43
- Steinkirchner, Sister M. Aquin, '27
- Steinmark, George Edgar, '06
- Stencil, Frank Floyd, '19
- *Stengle, Charles W., '01
- Stephens, Edgar Wesley, '26
- *Stephens, Edward F., '94
- Stephenson, Albert Ora, '09
- Stephenson, Mrs. Edna Bush, '30
- Stephenson, John Vincent, Jr., '14
- Stern, Henry, '37
- Stern, Jerome, '37
- Stern, Sidney, '42
- Sternner, Earl Clifford, '26
- Sternlicht, Herbert, '31
- Stevens, Ralph Frederick, '51
(see *R. F. Silverise*)
- Stevens, Robert Lewis, '48
- Stevenson, David, '97 (Scio)
- Steward, Samuel V., '97 (Scio)
- Stewart, Charles John, '97
- Stewart, Don Eugene, '51
- Stewart, Mrs. Ella P., '16
(see *Mrs. Ella Phillips Myers*)
- Stewart, Frederick Bowman, '25
- Stewart, Harry H., '97 (Scio)
- Stewart, John Roland, '32
- Stewart, Wade Irwin, '13
- Stewart, William Jennings, '18
- Stewart, William Wyatt, '14
- Stickel, Milton James, '31
- Stickel, Robert Frank, '29
- *Stiefel, Ernest C., '88
- Stierer, Raymond Leo, '50
- Stieska, John Robert, '25
- Stieska, Peter Thomas, '25
- *Stilleÿ, Jesse Cunningham, '03
(was M.D.)
- Stilley, Samuel Oliver, '22
- Stillwagon, James Frederick, '31
- Stillwagon, Larmar Junior, '31
- *Stimer, William Kooser, '20
- Stirling, James Walker, '24
(now M.D.)
- Stirling, William Kenneth, '29
- *Stitt, Clarence Alfred, '08
- Stiver, Ruth Elizabeth, '44
(now *Mrs. John Lehnhardt*)
- Stockdale, C. W., '94 (Scio)
- Stoehr, Carl August, '43
- Stoehr, John Jacob, '49
- Stoffan, Joseph, '44
- Stokes, Alda Winnifred, '48
(now *Mrs. Alda Wright*)
- Stokes, Seth Alexander, '29
- Stokes, Thomas E., '19
- Stokes, Thomas E., '49
- Stoll, Henry Albert, '25
- Stolz, Phillip J., '07
- *Stolzenberg, Irving Milton, '41
- Stone, Daniel Stewart, '25
- Stone, George, '30
- Stone, Morris, '28
- Stone, Thomas Russell, '23
- Stoneman, Mrs. Celia E., '97 (Scio)
- Stoner, James H., '50
- Stoner, Milton Raymond, '28
- *Stonner, George P., '82
- *Stoody, Erwin J., '93 (Scio)
- Storer, Thomas Willard, '26
- Storing, Henry W., '00 (Scio)
- Stotler, Hugh B., '02 (Scio)
- Stotler, Robert, '49
- Stough, Ralph Boord, '23
- *Strachan, Robert Henry, '30
- Strader, James Lowell, '26
- Strain, Mrs. Gertrude B., '02 (Scio)

- Straub, Francis Edward, '31
 Strauch, Hans Jacob, '20
 *Strauch, Henry Jacob, '15
 Strauchler, Harry, '25
 Strauss, Edward E., '19
 Strauss, Harry Allen, '28
 *Strauss, Harry Daniel, '25
 Streba, Oscar Alexander, '25
 Streich, Raymond Herman, '58
 Stright, Stephen Alex, Jr., '04
 Strickler, David Evans, '08
 (now O.D.)
 Stringer, Orum H., '03 (Scio)
 Strother, David H., '04 (Scio)
 Strothers, Clarence Nathaniel, '17
 Strothman, William B., '38
 *Strohmyer, Herbert J., '07 (Scio)
 Stroker, Frank John, Jr., '58
 *Strott, George G., '95
 Stroud, Harry John, Jr., '32
 *Struble, John G., '04
 *Strunz, Christ E., '88
 Stuchell, Anna Marguerite, '42
 Studebaker, Daniel Glenn, '25
 Studeny, Victor Charles, '14
 Stukinsky, Jacob, '18
 (now Jacob Stutz)
 Stull, Mrs. Larry J., '49
 (see Dorothy Gayman)
 *Stump, Clarence E., '03 (Scio)
 Sturm, Charles D., '99 (Scio)
 *Stutler, Virgil Highland, '25
 Stutz, Jacob, '16
 (see Jacob Stukinsky)
 Stutz, Maurice, '31
 Stutz, Nathaniel, '22
 Stuver, Edwin Bosworth, '32
 Styers, Wayne Smith, '25
 *Stype, Henry August, '15
 Suchy, Mrs. Mitchell, '24, '28
 (see Agnes P. Maczkov)
 Suchy, Mitchell, '27
 Suchy, Nicholos, '26
 Sudziak, Stanislaus Bernard, '28
 Suhoski, Frank J., '53
 *Suiter, Charles Spurgeon, '16
 Sullivan, Albert F., '04
 Sullivan, Michael Jeremiah, '18
 Sunshine, William Albert, '26
 Suloff, Frank Lauman, '12
 Sulzer, Howard Edward, '57
 Super, Robert Louis, '51
 Surgent, Michael George, '29
 Sussman, Abe, '31
 Sussman, Bernard Lee, '58
 Sussman, Shirley Dianne, '51
 Sutch, John Albert, Jr., '24
 Sutch, Walter James, '14
 Suter, William F., '07 (Scio)
 *Sutter, William Louis, '97
 Sutton, James S., '09
 Svirman, Samuel, '23
 Swan, Ethel Margaret, '21
 Swan, James Weltner, '32,
 Hosp. Tech. '33
 Swan, Wayne H., '49
 Swanson, Eugene, '56
 *Swart, Edgar Allen, '09
 Swartz, Alvah Campbell, '05
 Swartz, Besse Violet, '24
 Swartz, Stanley, '52
 *Swearingen, William H., '98
 Sweely, Russell Tate, '58
 Sweeney, Charles Conway, '00
 Sweet, Edward Eugene, '53
 Swenson, Earl William, '29
 Swenson, Otto Edward, '20
 Swieca, Michael Aloysius, '28
 Swisher, James Marion, '24
 Szarzynski, Joseph Charles, '26
 (now Joseph Charles Scott)
 Szarzynski, Stanley Edward, '31

- Szczesny, Richard Alfred, '56
 Szykowny, Thomas Joseph, '13
- Tabor, Harold, '50
 Tagmyer, Harry Christian, '28
 Takacs, Irene Emma, '44
 Talisman, Leo, '28
 Talkowski, Theodore, '54
 Tallmadge, Charles R., '01 (Scio)
 Tallbott, Oke S., '02 (Scio)
 Tamok, Alexander Ray, '54
 Tamburo, Mrs. J. A.
 (*see Aquilino, Violet M.*)
 Tananis, John Joseph, '32
 Tannehill, John Franklin, '08
 Tansimore, Marjorie May, '21
 (*now Mrs. A. N. Levy*)
 *Tarnapowicz, Joseph, '18
 *Tarr, Elmer Franklin, '14
 Taub, Samuel Stanley, '26
 Taucher, Mrs. Cora Jean Klein, '39
 (*see Cora Jean Klein*)
 *Taxey, George Daniel, '21
 Taylor, Ambrose Hart, '26
 Taylor, Floyd, '03
 Taylor, Frank, '10
 Taylor, James Homer, '25
 Taylor, Mrs. Norine Webster, '20
 (*see Norine Webster*)
 Taylor, Robert William, '28, '31
 Taylor, Stanley Joseph, '15
 Taylor, Mrs. William, '49
 (*see Nell Irene Holsopple*)
 Taylor, William Querry, '50
 Tea, Charles Miller, '23
 Tea, Ralph Duncan, '13
 Teeple, J. Gordon, '02
 Tegethoff, William Glenn, '39
 Tegzes, George, '42 (*now M.D.*)
 Tempest, George, '05
 Tennent, David A., '04
- Terrill, Mrs. Gerald, '34 (*was
 Inez Winifred Henderson*)
 Terry, Harold Elroy, '29
 Testa, Robert Joseph, '48
 Tetrick, Arch W., '07 (Scio)
 Tetrick, Everal T., '03 (Scio)
 Tetrick, Henry N. (Scio)
 Tex, Joseph, '22
 *Theil, John, '33
 Theodore, Sally Jayne, '56
 *Thoma, Paul Peter, '25
 *Thoman, Charles H., '07 (Scio)
 Thoman, Raymond Leroy, '09
 Thomas, Andrew Theodore, '31
 Thomas, Arthur H., '01 (Scio)
 Thomas, Charles D., '54
 Thomas, Clarence E., '57
 Thomas, Claude A., '04 (Scio)
 *Thomas, Dick Harkins, '06
 Thomas, Elmer, '51
 Thomas, Frank B., Jr., '24
 Thomas, Harry F., '84
 *Thomas, James Devan, '94
 Thomas, James Devan, '29
 Thomas, Joseph Nathan, '29
 Thomas, Joseph Parks, '18
 *Thomas, Paul Lindley, '12
 *Thomas, Roy B., '02 (Scio)
 *Thomas, Roy Stanley, '26, '27
 Thomas, Thomas Harrison, '08
 Thomassy, Arthur Louis, '32
 Thompson, Barnard, '30
 Thompson, Charles David, '22
 Thompson, Charles David, Jr., '57
 Thompson, Mrs. E. G., '00 (Scio)
 (*see Emma G. Robinson*)
 Thompson, Ennis N., '05
 Thompson, Esther Lee, '31
 *Thompson, Frank G., '09
 Thompson, George Beitsch, '41
 *Thompson, George Kenneth, '33, '34

- Thompson, Mrs. Hadley J., '51
(*see Lois Jean LeGoullan*)
- Thompson, Jack Russell, '30
- Thompson, John Edward, '26
- *Thompson, John Reynolds, '94,
PHAR.D. HON. '43
- Thompson, Joseph Stuart, '40
- Thompson, Margaret Durkin, '22
- *Thompson, Mark H., '06
- *Thompson, Ralph, '01
- Thompson, Raymond Alvin, '00
(*now M.D.*)
- *Thorniley, Bartlett S., '96 (Scio)
- Thrush, Herbert Curtis, '58
- Tibbott, Harvey, '06
- Tibbott, Rowland Humphreys, '33
- *Tiffany, Milton Levi, '08
- Tillman, Edward, '48
- Tillman, Sydney, '49
- Timms, Robert William, '09
- Tinkelpaugh, Egbert Hiram, '11
- Tinker, Carl Quincy, '28
- Tischler, Louise, '43
(*now Mrs. Lawrence Stein*)
- Tischler, Morris, '52
- Tishue, James, '55
- Tobin, Charles Thomas, '26
- Tock, Agnes Josephine, '52
- Todora, Domonic Alfred, '32
- *Todora, John James, '37
- Tokar, Walter Edward, '51
- Tolley, Andrew Jackson, '26
- Tomaska, Mrs. Harriet M., '29
(*see Harriet M. Nemon*)
- Tomlinson, Robert, '52
- *Tomlinson, Thomas, '91 (Scio)
- Tomlinson, Roy Rosfeld, '31
- Toncic, Sophija
(*see Kasom, Sophija*)
- Tope, William H., '95 (Scio)
- Torin, Harry, '26
- Toronto, Nicholas Anthony, '42
- Torris, Anthony Robert, '31
- Tosi, John Joseph, '49
- Toth, Mrs. George, '21
(*see Helen Mary Bacha*)
- Toth, George Albert, '54
- Towle, George M., '98 (Scio)
- Townsend, Homer Alvin, '28
- Trafalis, Peter Victor, '36
- Trainer, Jack Hunter, '30
- Tranick, William J., '58
- Travis, Wayne J., '51
- Tredennick, Charles Kenneth, '19
- Tress, John S., '16
- Tribby, Elmer Edwin, '89
- Trimble, Guy Halferty, '20
- *Trimble, Thomas Miler, '28
- Trimmer, Thomas E., '20
- Troilo, Rita, '20
(*now Mrs. Vincent Marino*)
- Trombetta, Christopher Francis, '32
- Troutman, Willis Reed, '32
- Troxell, Charles Horner, '15
- Truby, Miriam Grace, '08
- Trust, Edward, '05
- Trust, Matthew, '26
- Tucci, Michael Joseph, '30
- Tucci, Nicholas Carl, '32
- Tuholske, Leon, '07 (Scio)
- Turano, Clara Cornelia, '44
- Turano, Dora Christine, '40
- Turano, Frank Fred, '36
- Turano, Peter Samuel, '48
- Turco, Paul Julius, '49
- Turesak, Frederick Vincent, '51
(*now Frederick Vincent Crall*)
- *Tyler, Roy Ellis, '13
- Tysarczyk, James Joseph, '21
- Ullom, Jesse F., '03
- Underwood, Eunice Grace, '25

- Unverdorben, Edward Anthony, '31
 Urbani, Arthur Joseph, '43
 Urbani, Richard Anthony, '48
 Urbani, Richard Francis, '58
 Urben, Henry A., '95
 Urda, Peter Joseph, '26
 Utescher, Donald, '57
- Vale, Barney E., '97 (Scio)
- *Valentine, Charles Truesdell, '17
 *Valentine, John Bayha, '08
 Van Allman, Paul Arthur, '19
 Vance, Carl Alexander, '30
 Vance, William Edgar, '09
 *Vance, William S., '96
 Vanderglas, Joel, '55
 *Vandervort, Harry H., '04
 Vandervort, Harry H., Jr., '38
 Van Meter, Clarence Taylor, '26, '32
 (P.H.D. from Graduate School)
 Van Voorhis, Arthur A., '99 (Scio)
 Varga, George Steve, '51
 Varley, Clarence Thomas, '24
 Varljen, Joseph, '58
 Vasser, James R., '58
 Vaughn, Conrad, '54
 *Vavro, Alvin Joseph, '48
 Vavro Ferdinand F., '49
 Veitch, John A., '51
 Venig, Alexander Merle, '53
 Venturella, Vincent Steven, '54; '56,
 M.S. Graduate School
 Verbofsky, Hymen, '43
 Vespa, Mrs. Gelsomine Lowry, '27
 (see *Gelsomine Lowry*)
 Vetter, Agnes Marie, '21
 Vexler, Bernard, '24
 Viehmann, Walter Ellsworth, '25
 Viggiano, Salvatore, '14
 Vignovich, Bertha, '49
 (now *Mrs. M. Aynardi*)
- Vinoski, Florence, '49
 Vinoski, Martha Kathryn, '46
 (now *Mrs. Daniel T. Stacer*)
 Viola, Eugene Henry, '58
 Vishkoff, Edward L., '39
 Vitale, John Samuel, '22
 Vito, Mrs. William, '47
 (see *Mary Louise Cuccarese*)
 Voelker, Louis, '28
 *Voellger, Ernest H., '05
 Vogel, Irving Ralph, '43
 Voight, Mrs. Howard Francis, '34
 (see *Rosemary Hauck*)
 Volk, Lawrence, '50
 Vollbrecht, Bernard William, '35
 *Vollbrecht, William Bernard, '08
 Vuchinich, Bogdan Michael, '31
 (now *Bogdan Michael Wolfe*)
 Vrabec, Donald Paul, '54
- Wagner, Clate A., '08 (Scio)
 Wagner, Garrett Edward, '19
 *Wagner, John H., '87
 Wagner, Joseph Adam, '26
 Wagner, William Foster, Jr., '29, '31
 Wajert, Agnes Petronella, '44
 *Wajert, John Charles, '10
 Wajert, Leo Adalbert, '25
 (now *M.D.*)
 Wajert, Theresa Florence, '52
 (now *Mrs. Paul Wurdack*)
 Wajert, Thomas Casimir, '58
 *Wakefield, J. Carl, '06
 *Waldschmidt, Edward Frederick, '01
 *Walker, Alfred Cairnes, Jr., '14
 Walker, Clarence A., '23
 Walker, Mrs. F. F., '04
 (see *Agnes J. Rynd*)
 *Walker, Frank Fulmer, '98
 *Walker, Frank W., Jr., '82
 Walker, James F., '92

- Walker, James Herschell, '26
 Walker, John Jay, '97
 Walkingshaw, Robert, '43
 Wall, Thomas Edward, '04
 Wallace, Emma Kemp, '21
 *Wallace, James A., '96 (Scio)
 *Wallace, John Crawford,
 PHAR.D. HON. '11
 *Wallace, Joseph H., '93 (Scio)
 Wallace, William Davies, Jr., '15
 (now M.D.)
 *Walley, Charles Elmer, '13
 Wallwork, Samuel, Jr., '50
 Walmsley, William Ewert, '28, '31,
 M.S. Graduate School
 Walsh, Paul Gabriel, '52
 Walter, Clarence Lee, '54
 Walter, Harry Lawrence, '35
 *Walter, Peter G., '04,
 PHAR.D. '05
 Walter, William R., '49
 Walters, Walter Leon, '31
 (see *Walter Pietkiewicz*)
 Walters, Roderick R., '38
 (see *Roderick Pietkiewicz*)
 *Walther, Ernest Tyson, '95
 Walther, Joann Louise, '53
 Walther, William Paul, '53
 Walthour, William Earnest, '28
 Waltner, Paul Luther, '31
 Walton, Donald Herbert, '32
 Walton, James Carlisle, '33
 *Walton, Lucius L., PHAR.D.
 HON. '12
 Waltz, Henry Benjamin, '14
 *Wambaugh, Charles Raymond, '12
 Wambaugh, Edward Gerald, '18
 Wambaugh, J. Leo, '06
 *Ward, Howard Aloysius, '15
 Warden, Joseph Torrance, '38
 *Warfield, James A., '94 (Scio)
- Wardlaw, Mrs. William D., '25
 (see *Mary H. Keefe*)
 Wardlaw, William Donald, '18
 Wargofchik, Michael Sylvester, '20
 Warne, Charles Sampson, '52
 *Warner, Ralph E., '06
 Warnick, James A., '03
 Warren, Alton, '55
 Warren, D. H., '00 (Scio)
 (now D.D.S.)
 Warren, Joseph Bernard, '53
 Warrick, Charles Emery, '48
 Warstler, Arthur E., '23
 Waschak, Stephen A., '34
 Washko, Stephen Robert, '10
 Wassam, Eugene Forde, '29
 Wasser, Samuel Albert, '28
 Watkins, Edwin Lawrence, '25
 Watkins, Frank (Scio)
 Watkins, Harry Pullin, '43
 *Watson, Clarence E., '20, PH.C. '22
 *Watson, David B., '89
 Watson, DeWitt McGregor, '20
 Watson, Grover Cleveland, '22
 Watt, George H., '92 (Scio)
 Wattenmaker, Hymen, '23
 Watters, Elizabeth Ann, '58
 Watters, John Hobart, '25
 Watters, Paul Joseph, '31
 *Watts, Mrs. Wendell, '22
 (see *Mary Susan Core*)
 Watzman, Nathan, '55, M.S. '57
 Graduate School
 Waugaman, Charles R. Ferner, '32
 Waylonis, Paul Anthony, '37
 Wayne, Audubon Ruth, '13
 (now *Mrs. Mike Coplan*)
 Ways, Francis Henry, '22
 Weaver, Clarence Othello, '15
 Weaver, David Merle, '25
 Weaver, Howard Earl, '26

- Weaver, Howard Earl, '31
 Weaver, Leonard Ambrose, '03
 Weaver, Mark Donald, Jr., '19
 Webber, Justin Robert, '16
 Webber, Mrs. D. Beker, '17
 Webber, Thelma, '19 (*now Mrs. Theodore R. Cotteral*)
 *Weber, Frank Theodore, '23
 Weber, Harold John, '52
 Weber, Henry Frederick, '21
 Weber, John A., '04
 Webster, George Wilson, '14
 *Webster, Joseph Rankine, '30
 Webster, Norine, '20
 (*now Mrs. Norine Taylor*)
 Weekley, Elmer Kahle, '30
 *Weger, George A., '10, PHAR.D. '11
 Weger, Thomas Francis, '15
 Weil, Albert Joseph, '06
 *Weil, Grover Cleveland, '06
 *Weimer, Roth E., '18
 Weinberger, Charles Jacob, '20
 Weinberger, Harry, '25
 Weinberger, Louis, '34
 Weiner, Louis, '20
 Weiner, Mark, '55
 Weinfurther, Louis Daniel, '26
 Weintraub, Marvin, '57
 Weirich, George, '02 (Scio)
 Weisband, Arnold Leonard, '54
 Weishaar, Harry P., '92
 Weisman, Jerome Saul, '42
 Weismiller, Paul Victor, '17
 Weiss, Benjamin Mark, '32
 Weiss, George, '93 (Scio)
 Weiss, Harry, '55
 Weiss, Jacob Herman, '43
 Weiss, M. Joseph, '32
 Weiss, Melvin, '56
 Weiss, Milton, '28
 Weiss, Samuel F., '22
 Weiss, Sidney Sam, '26
 Weister, Clarence Holmes, '26
 Welch, Jack Campbell, '58
 Welch, Winfield Earl, '10
 Weldon, James Eugene, '50
 *Weller, Edward V., '92 (*was M.D.*)
 Wellhausen, Charles W., Jr., '56
 Wells, Charles W., '51
 Welsh, John Porter, '41
 Welsh, John Vincent, '24
 Welsh, Percy R., '03 (Scio)
 Welsh, S. Byron, '02 (Scio)
 *Welsh, Walter William, '11
 *Welshons, William Patterson, '95
 *Wentling, Samuel L., '89
 Wentzell, Robert K., '52
 *Wenzel, Harmar Denny, '06
 Werner, Charles Hess, '08
 Wertenbach, John Hermagille, Jr.,
 '22
 Wesoky, Maurice, '26
 *Wesolowski, Andrew C., '05
 Wessel, John Fred, Jr., '14
 Wessels, George Lange, '16
 (*now M.D.*)
 West, Dana Alfred, '14
 West, Mrs. Franklin, '30
 (*see Tozia Jean Drapiewski*)
 West, Fred Ralph, '19
 West, Harold Oscar, '58
 West, Henry Elden, '43
 West, James Griffin, '29
 West, Walter Lionell, '05
 Westover, David Aaron, '48
 Wetzell, Louis N., '99 (Scio)
 Weyel, William R., '53
 Weyles, Charles F., '09
 Wharton, Clarence J., '24
 Wherry, Charles O., '01
 Whetsel, Howard Blaine, '36

- White, Courtayne Beatrice, '19
(*now Mrs. Harry A. Shinglar*)
- White, Harry Large, '95
- White, Harry Lee, '08
- White, Ida Gaspari, '51
- White, James Stephen, '20
- *White, Theodore Frelinghuysen, '09
- Whitehill, Robert Wayne, '22
- Whitehouse, George Henry, '12
- Whitman, Abe, '22
- Whitman, Lloyd Mitchell, '49
- Whitman, William Henry, '25
- *Wicarius, Max John, '08
- Wichterman, Ernest, '06 (Scio)
- Wick, Bert Stuart, '16
- *Wick, Floyd B., '08, PHAR.D. '09
- Wick, Helen Ann, '42
(*now Mrs. Helen Joyner*)
- Wiederhold, Mrs. Basil, '34
(*see Elizabeth Elinor Kirschner*)
- *Wieczorkowski, Henry, '19
- Wieczorkowski, John Ludwick, '33
- Wiegel, Harry H., '17
- *Wiegler, Carl G., '04
- Wiemann, Charles A., '24
- Wiesenthal, Arthur Herbert, '43
- Wiethorn, Edmund Joseph
(*Rev. Father*), '21
- Wiethorn, George Cornelius, '24
- Wiethorn, Joseph Michael, '15
- Wightman, David Jones, '98
- Wigle, Harry Oliver, '20
- Wigle, Oscar E., '29
- Wilcox, Hayden Dorsey, '07
- Wildeson, Kenneth Don, '28
- Wiles, G. W., '94 (Scio)
- Wilkofsky, Harry Aaron, '24
- Wilkofsky, Joseph Edward, '30
- *Willets, Charles E., '04
- *Willets, Edwin Homer, '10
- Williams, Arthur Scott, '10
- Williams, Dorothea Ann, '48
(*see Mrs. Michael Janosko*)
- *Williams, Frank A., '26
- Williams, Glenn Jesse, '29, '31
- Williams, Mrs. H. J., '20, '24, '25,
PH.C. (*see Florabel Wood*)
- *Williams, Leo Lincoln, '20
- Williams, Robert Elias, '38
- Williams, Robert Lee, '53
- Williams, T. H., '92 (Scio)
- Williams, W. Clark, '43
- Wills, Mrs. Mary, '49
(*see Mary Agnello*)
- Willson, Myra Adela, '13
(*now Mrs. M. W. Collom*)
- Wilson, Charles Morgan, '02
- Wilson, Chauncey Edward, '26
- Wilson, Eugene E., '00 (Scio)
- Wilson, George Henry, '26, '32
- Wilson, Gilbert H., '00 (Scio)
- Wilson, Harry G., '13
- Wilson, Harry Walton, '23
- Wilson, James Owen, '28
- Wilson, Stephen, '25, '27, M.S.;
PH.D. Graduate School
- Wilson, Thomas Austin, '98
- Wilson, Wesley Rollo, '14
- Wilson, William L., '97 (Scio)
- Wincalowicz, Carl Thaddeus, '50
- Windom, Burford Cecil, '09
- *Winesburg, Harold Clyde, '30
- Winkler, William Hugo, '26
- Winneskie, Othella M., '02
- Winters, Alphonso Jacob, '20
- Winters, Genevieve Elizabeth, '39
- Winters, J. Scott, '54
- Wirsing, Thomas Ray, '93
- Wirt, John Earl, '08
- Wirth, H. Herbert, '07 (Scio)
- Wirts, Carl Alexander, '23
(*now M.D.*)

- Wirtz, William Victor, '98
 Wise, Leroy J., '21
 Wisniewski, Raymond Andrew, '30
 *Witchko, Eugene John, '25
 Withers, Harry Davis, '11
 Withers, Robert Blackwood (Rev.),
 '16
 Withrow, Richard Kenneth, '51
 Witt, Richard Lewis, '56
 *Wittmer, Robert Shields Ramsey, '14
 *Wohler, Arthur Wayne, '19
 Wohlfarth, Walter Francis, '12
 Wohlwend, Albert Alvin, '09
 Wojciak, John, '32
 *Wolf, Sister Mary Clara, '15
 Wolfe, Charles Joseph, '30
 Wolfe, Bogdan Michael, '31 (*see*
Bogdan Michael Vuchinich)
 Wolfe, Melvin James, '45
 Wolfe, Mollie, '28
 (*now Mrs. Sidney A. Klein*)
 *Wolff, George Henry, '23
 Wolinsky, George, '27
 Wolslayer, Louis Edward, '53
 Wonderling, Max, '55
 Wood, Florabel Jean, '24, P.H.C. '25
 (*now Mrs. H. J. Williams*)
 Wood, Harry Sechler, '15
 Wood, Saylista Anna, '23
 (*now Mrs. Matthews*)
 Woodford, Charles Havens, '10
 Woodrow, Donald, '26
 Woodrow, Robert James, '58
 Woodruff, John Earl, '31
 Woods, Frederick Harry, '52
 Woods, Frederick Harry, '22, '24
 Woods, Marshall Duer, '21
 Woodward, C. Fred, '01 (Scio)
 Woodward, Ernest F., '04
 *Woodyard, Lon A., '04
 Woomer, Luther, '17
 Workman, Robert Harland, '58
 Workman, Lawrence Paul, '30
 Wright, Mrs. Alda Winnifred
 Stokes, '48
 (*see Alda W. Stokes*)
 Wright, Mrs. Lawrence A., '34
 (*see Claire Frick*)
 Wrigley, William Kay, '99
 Wulfson, Isadore, '23
 Wulfson, Mrs. Isadore, '24
 (*see Freda Cyril Handmacher*)
 Wunderly, James Edward, '53
 Wurdack, Mrs. John H., '15
 (*see Mary E. McMabon*)
 *Wurdack, John Herman, '09, '10,
 PHAR.D.
 *Wurdack, Michael John, '06
 Wurdack, Paul Joseph, '49, M.S. '52
 Graduate School
 Wurdack, Mrs. Paul Joseph, '49
 (*see Theresa Wajert*)
 *Wurzel, John, '80
 *Wyant, James Edward, '06
 Wyble, John Milton, '14
 *Wyble, Edwin Jones, '43
 Wycoff, John Harold, '31
 Wyman, James Gaber, '31
 *Wynkoop, U. G., '86
 Wysocki, Leopold, '28
 Yagle, Louis William, '25
 *Yahn, Apostol, '05
 (*see Apostol Yanitchievitch*)
 Yanda, Howard William, '49
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 *Yanitchievitch, Apostol, '05
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 Yargats, Michael, '31
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 (*see Adolph Walter*
Jastrzembowski)

- *Yavorsky, Martin A., '29, '30, '34
 *Yellig, Daniel Christian, '90
 Yex, Arthur Michael, '22
 *Yockey, Harry Clarence, '11
 Yohe, George Olin, '14
 Yohe, Wilson Robert, '24
 Yontz, Dale William, '34
 Young, Clara Marie, '29
 (now Mrs. C. D. O'Donnell)
 Young, David Boyer, '08
 *Young, E. H., '91 (Scio)
 Young, George Fleming, '12
 *Young, George O., '96 (Scio)
 Young, Harry Charles, '42
 Young, Harry Garfield, '12, PHAR.D.
 Young, Howard Marshall, '18
 Young, Isaac, '26
 *Young, J. Arthur, '05
 Young, James Lewis, Jr., '28
 Young, John U., '28
 Young, Joseph John, '31
 Young, Paul Edwin, '52
 *Young, Robert Oliver, '09
 Young, Thaddeus Jerome, '28
 Young, Verner U., '97 (Scio)
 Young, Walter Cecil, '25
 Young, William Andrew, '30
 Young, William Grant, '94
 Yount, John Winfield, '53
- Zacovic, Andrew, '17
 *Zakowitz, Harry, '30
 Zalevsky, Sam, '32
 Zalevsky, Sidney Manuel, '34
 Zalmonovitz, Solomon, '24
 Zanotti, Victor Dante, '39
- Zarecky, Robert Martin, '50
 Zarembo, Peter James, '12
 Zarych, Joseph Francis, '52
 Zastempa, Eugene, '40
 *Zaslov, Jerome Bernard, '44
 Zawicki, Raymond Francis, '42
 Zeiden, Max Joseph, '26 (*see*
 Max Joseph Zeidenschneider)
 Zeidenschneider, Max Joseph, '26
 (now Max Joseph Zeiden)
 Zeiler, Wilbert Glenn, '51
 Zeiner, Christian W., '15
 Zeitman, Samuel Harold, '41
 Zelensky, Walter Joseph, '25
 *Zeligman, Harry Nathan, '22
 Zelkovic, Nicholas Joseph, '39
 Zellars, Mrs. Palestine, '47
 (see Palestine Pope)
 Zeman, Isadore Louis, '21
 Zezyus, Theresa, '55
 *Ziefle, Adolph, PHAR.D. HON., '28
 Zielinski, Thaddeus John, '28
 Zilian, Edward Ralph, '30
 Zimmer, Charles E., '96 (Scio)
 Zimmerman, Emanuel, '54
 *Zimmerman, Eugene Reitz, '19
 Zimmerman, Patricia, '52 (*now*
 Mrs. Kermit Eugene Keeley)
 Zinman, Isadore, '26
 Zipf, Robert L., '51
 *Zitzman, George F., '02
 Zober, Frank William, '41
 *Zweig, Isadore Irwin
 Zwick, Aaron Herbert, '42
 Zychowski, Chester, '58
 Zychowski, Stanley Francis, '50

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This book is composed of the following ingredients:

PAPER: 50 pound Warren's Printone

TYPE: 12 point and 10 point Intertype Garamond,
Decorations are Monotype apothecary symbols

ILLUSTRATIONS: 110 line screen halftone by
Artcraft Engravers of Pittsburgh

BINDING: Holliston Novelex 675, natural finish.
gold stamped and blind stamped by
Russell-Rutter Company, Inc. of New York

PRINTING: Herbick & Held Printing Company, Pittsburgh

The book was designed by Ed Fisher, Jr., and
published with the generous help of O. M. Reif by
The University of Pittsburgh Press

